

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JANUARY 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of January 1931 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4145 living children, of whom 2172 were males, and 1973 were females. Compared with the number in the previous month, births of male children are 56 more, those of female children 95 fewer, and of children of both sexes 39 fewer.

The monthly birth-rate in these towns taken collectively was 19·9 per thousand. This rate is 0·4 less than in the previous month, and 1·4 less than the January average.

In the individual towns the monthly birth-rate ranged from 23·4 in Clydebank, 22·7 in Greenock and 22·6 in Kilmarnock, to 13·1 in Kirkcaldy, 15·6 in Dunfermline, and 16·1 in Edinburgh. In Paisley this rate was 21·9, in Motherwell and Wishaw 21·8, in Hamilton 21·7, in Glasgow 21·4, in Dundee 21·1, in Coatbridge 21·0, in Falkirk 18·9, in Aberdeen 17·9, in Ayr 16·9 and in Perth 16·5.

Of the 4145 living children whose births were registered during the month, 3877, or 93·5 per cent., were legitimate, while 268, or 6·5 per cent., were illegitimate. The legitimate children numbered 51 fewer than in the previous month, but the illegitimate children numbered 12 more. The illegitimate rate for the month is 0·4 more than that for the previous month. In the individual towns the illegitimate rate ranged from 8·0 in Dundee, 7·7 in Edinburgh, 7·4 in Aberdeen and 7·4 in Ayr, to 2·2 in Perth, 3·4 in Falkirk, and 4·0 in Dunfermline. In Glasgow this rate was 6·4.

Marriages registered in these towns during the month numbered 1850, and equalled a marriage-rate of 8·9 per thousand. This number is 227 less than in the previous month. The rate is 1·2 less than in the previous month, and 1·0 below the January average. In the individual towns the marriage-rate ranged

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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from 11·9 in Falkirk, 11·8 in Kilmarnock, 10·8 in Coatbridge, and 10·7 in Dundee, to 5·1 in Greenock, 5·1 in Perth, and 6·6 in Clydebank. In Glasgow this rate was 9·4, in Edinburgh 8·0, and in Aberdeen 9·6.

Deaths registered in these towns during the month numbered 3621, and are 2 more than in December. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3407, and to include the deaths of 1729 males and 1678 females. The corrected number is 17 less than in the previous month, males being 38 more, but females 55 less.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 16·4 per thousand, being 0·2 below that for the previous month, and 2·8 below the January average. In the individual towns this death-rate ranged from 20·8 in Perth, 20·1 in Aberdeen, 17·4 in Dundee, and 17·4 in Dunfermline, to 8·3 in Clydebank, 10·0 in Motherwell and Wishaw, and 11·5 in Falkirk. In Glasgow this rate was 17·1, in Edinburgh 16·6, in Kirkcaldy 16·1, in Greenock 15·6, in Ayr 15·6, in Kilmarnock 14·8, in Paisley 13·8, in Coatbridge 13·6, and in Hamilton 11·9.

Deaths of children of less than one year old numbered 494, and equalled an infantile mortality rate of 118 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 81 fewer than in the previous month, and the infantile mortality rate is 18 less than in that month, and 13 less than the January average. In the individual towns the infantile mortality rate ranged from 176 in Aberdeen, 169 in Kirkcaldy, and 124 in Glasgow, to 61 in Clydebank, 71 in Motherwell and Wishaw, 79 in Paisley, and 79 in Kilmarnock. In Hamilton this rate was 123, in Dundee 114, in Edinburgh 111, in Greenock 106, in Ayr 105, in Coatbridge 104, in Perth 104, in Falkirk 82, and in Dunfermline 80.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision—see Table III), numbered 212, and equalled a death-rate from these causes of 1·0 per thousand. They included 2 from enteric fever, 4 from measles, 9 from scarlet fever, 85 from whooping-cough, 28 from diphtheria, 42 from influenza, 23 from cerebro-spinal fever, and 19 from other epidemic diseases, of which 1 was ascribed to typhus fever (the first death registered in Scotland from this cause since 1927), 14 to erysipelas, and 4 to encephalitis lethargica. Compared with the numbers for the previous month, deaths from whooping-cough are 42 more, from cerebro-spinal fever 14 more, from scarlet fever 4 more, and from enteric fever 2 more, while those from influenza number the same, but those from measles are 4 fewer, from other epidemic diseases 4 fewer, and from diphtheria 12 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 850, and equalled a death-rate of 4·1 per thousand. Compared with the returns for the previous month this number is 33 fewer, while the rate is 0·2 less than in the previous month, and 1·0 less than the January average.

Deaths from all forms of tuberculous disease numbered 231, of which 186 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 15 fewer, while those from tuberculosis of the respiratory system are 3 fewer. Compared with the January average deaths from all forms of tuberculosis are 8 fewer, but those from respiratory tuberculosis are 8 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JANUARY 1931.

Mean barometric pressure, 29·745 in.; less than the average of 1881-1915 by 0·123 in.

Mean temperature, 37°·3; less by 0°·7.

Mean daily range of temperature, 8°·5; less by 0°·3.

Rain, depth in inches, 3·50; greater by 0·29 in.

Wind, direction of: a 2 days' excess of south-westerly winds.

The frequent passage of depressions and their associated secondaries across or near the British Isles gave rise to mainly unsettled and at times stormy weather. The mean barometric pressure was below the average, while the extremes at mean sea level at Edinburgh were 30·58 in. on the 7th and 28·67 in. on the 23rd.

The month was on the whole rather cold, both the mean temperature and the mean daily range of temperature being below the normal. The highest temperatures were centred around the 15th; on the 16th 55° F. was registered at Cupar and 53° F. at Leuchars. Screen minimum temperatures were low on the mornings of 1st, 6th, 7th, 14th and 30th; amongst the minima were at Braemar 6° F. on 6th and 7th, 11° F. on 30th and 14° F. on 31st; at Dalwhinnie 14° F. on 6th and 14th and 15° F. on 7th; and at West Linton 15° F. on 6th and 7th. Ground frosts were reported on all days except the 11th and 16th. At Braemar the grass minimum temperature was 1° F. on the 7th, 4° F. on the 6th, 5° F. on 30th and 9° F. on 31st.

Over northern, eastern and south-western districts rainfall was above the average, while a large area stretching from Central Scotland to the Border counties was generally well below the average. Amongst the largest daily rainfall totals were 2·76 in. at Garelochhead on 31st, 2·28 in. at Glenquoich on 15th, 2·13 in. at Glenbranter on 31st, 2·15 in. at Achfary on 10th, and 2·00 in. at Glen Etive on 16th. At Strathpeffer the total for the month was 6·43 in., this being the wettest January there since at least 1885.

Thunderstorms occurred locally on 16th, between 23rd and 25th and again on 30th and 31st. Fog was rather frequent, being reported on 18 days; the Clyde area was affected on 12 of these. Stormy conditions were frequent and widespread gales were reported between 15th and 17th, between 20th and 26th, and again on 31st; on the 16th a gust of 71 m.p.h. was registered at Paisley, and on the 31st one of 74 m.p.h. at Kirkwall.

Snow, sleet or hail was of frequent occurrence and the snow tended in parts to lie; at Braemar the snow was reported lying on 21 days; owing to the strong winds the snow at times drifted rather deeply, Dalwhinnie reporting a depth of 4 ft. in drifts. The heaviest falls of snow were reported on the 18th and 31st; on the former date over 6 in. lay at Kettins and 10 in. at Braemar, while on the latter date about 6 in. lay at Dumfries and Rankeillour, 8 to 9 in. at Milnathort, 9 in. at Braemar and 10 in. at Crieff; 5 in. lay at Crieff on the 19th.

Aurora was observed on the night of 25th to 26th.

Although stormy weather was general sunshine aggregates were above the normal, the excess being about 15 hours in northern districts, and about 30 hours in the south. It was the sunniest January at Blackford Hill Observatory so far recorded there.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 8.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JANUARY 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1931.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,051,518	1,088,200	1032	944	1976	1850	126	870	892	802	1694	151	33	1576
EDINBURGH, . .	420,264	428,800	293	294	587	542	45	293	334	345	679	92	17	604
DUNDEE, . . .	168,315	167,000	177	122	299	275	24	152	120	125	245	13	15	247
ABERDEEN. . .	158,963	158,900	127	115	242	224	18	129	131	156	287	33	17	271
PAISLEY, . . .	84,837	87,800	94	69	163	156	7	51	55	50	105	6	4	103
GREENOCK, . . .	81,133	82,500	78	81	159	152	7	36	58	56	114	9	4	109
MOTHERWELL AND WISHAW, . .	68,869	71,700	73	60	133	124	9	53	33	21	54	1	8	61
CLYDEBANK, . .	46,601	49,800	45	54	99	92	7	28	12	12	24	0	11	35
COATBRIDGE, . .	43,919	44,900	44	36	80	76	4	41	25	17	42	0	10	52
DUNFERMLINE, . .	39,899	37,800	25	25	50	48	2	24	28	39	67	14	3	56
KIRKCALDY, . . .	44,298	43,900	19	30	49	46	3	33	24	30	54	2	8	60
HAMILTON, . . .	39,504	40,700	40	35	75	70	5	26	21	16	37	2	6	41
KILMARNOCK, . .	35,969	39,000	33	42	75	71	4	39	26	26	52	8	5	49
AYR,	35,763	37,600	37	17	54	50	4	24	27	30	57	10	3	50
FALKIRK,	34,419	36,700	27	32	59	57	2	37	17	22	39	5	2	36
PERTH,	33,208	32,200	28	17	45	44	1	14	31	40	71	14	0	57
TOTAL (SIXTEEN TOWNS)	2,387,479	2,447,500	2172	1973	4145	3877	268	1850	1834	1787	3621	360	146	3407

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JANUARY 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	21·4	6·4	9·4	18·3	17·1	1·5	1·3	1·1	4·4	245	124
EDINBURGH, . .	16·1	7·7	8·0	18·6	16·6	0·7	0·9	0·8	4·1	68	111
DUNDEE, . . .	21·1	8·0	10·7	17·3	17·4	0·4	1·4	1·3	3·9	34	114
ABERDEEN, . . .	17·9	7·4	9·6	21·3	20·1	0·6	0·6	0·5	5·8	49	176
PAISLEY, . . .	21·9	4·3	6·8	14·1	13·8	0·3	1·3	1·2	1·7	12	79
GREENOCK, . . .	22·7	4·4	5·1	16·3	15·6	0·7	1·7	1·4	3·6	17	106
MOTHERWELL AND WISHAW, . .	21·8	6·8	8·7	8·9	10·0	0·5	0·3	0·2	3·1	9	71
CLYDEBANK, . .	23·4	7·1	6·6	5·7	8·3	0·0	0·5	0·5	1·9	5	61
COATBRIDGE, . .	21·0	5·0	10·8	11·0	13·6	0·8	1·3	0·8	2·9	10	104
DUNFERMLINE, .	15·6	4·0	7·5	20·9	17·4	0·9	0·9	0·3	4·0	4	80
KIRKCALDY, . . .	13·1	6·1	8·9	14·5	16·1	0·3	0·5	0·5	4·6	10	169
HAMILTON, . . .	21·7	6·7	7·5	10·7	11·9	1·2	0·9	0·3	2·3	10	123
KILMARNOCK, . .	22·6	5·3	11·8	15·7	14·8	1·5	0·9	0·6	2·1	5	79
AYR,	16·9	7·4	7·5	17·8	15·6	0·3	0·6	0·0	2·8	6	105
FALKIRK,	18·9	3·4	11·9	12·5	11·5	0·3	0·6	0·6	2·6	5	82
PERTH,	16·5	2·2	5·1	26·0	20·8	1·1	1·1	0·0	6·9	5	1·4
TOTAL . . . (SIXTEEN TOWNS)	19·9	6·5	8·9	17·4	16·4	1·0	1·1	0·9	4·1	494	118

* Based on the average number of births registered monthly during the past 12 months.

† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JANUARY 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					* Enteric Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JAN. 1931, .	19·9	6·5	8·9	16·4	2	4	9	85	28	42	23	19	118	37°·3
JAN. 1930, .	21·0	6·9	9·2	15·7	0	79	11	23	36	26	12	24	123	39°·4
JAN. 1929, .	21·0	6·7	9·2	30·7	0	1	7	81	33	824	15	16	176	35°·1
JAN. 1928, .	21·3	6·3	10·7	19·0	1	192	11	58	57	60	9	22	142	40°·2
JAN. 1927, .	20·9	6·1	9·7	15·7	0	10	8	32	31	74	3	13	117	39°·5
JAN. 1926, .	22·1	6·3	10·6	15·1	1	73	15	28	29	40	2	23	96	40°·0
JAN. 1925, .	21·7	6·3	10·0	16·3	3	72	17	168	45	92	3	15	114	40°·9
JAN. 1924, .	23·9	6·7	9·5	17·3	2	217	17	91	31	37	2	16	136	39°·2
JAN. 1923, .	25·9	6·5	11·6	16·0	2	84	25	67	33	26	10	12	112	42°·6
JAN. 1922, .	28·7	7·0	11·3	33·7	3	296	21	123	39	1,257	7	19	206	37°·0
JAN. 1921, .	26·1	7·0	15·9	16·9	1	18	18	60	34	68	6	29	113	41°·8

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—January 1931.

CAUSES OF DEATH.				Total.	Males.	Females.	Age.											
							-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over
	Enteric Fever (including Paratyphoid)	-	-	2	2	-	-	-	1	-	-	1	-	-	-	-	-	
	Measles	-	-	4	3	1	3	1	-	-	-	-	-	-	-	-	-	
	Scarlet Fever	-	-	9	4	5	1	4	4	-	-	-	-	-	-	-	-	
	Whooping-cough	-	-	85	46	39	36	49	-	-	-	-	-	-	-	-	-	
	Diphtheria	-	-	28	14	14	3	15	9	-	1	-	-	-	-	-	-	
	Influenza	-	-	42	18	24	2	4	2	-	-	3	5	3	8	11	2	
(1)	Cerebro-spinal Fever	-	-	23	11	12	8	4	-	3	3	-	1	3	-	1	-	
(2)	Other Epidemic Diseases*	-	-	19	11	8	2	1	-	-	-	1	2	3	6	2	1	
	Tuberculosis of Respiratory System	-	-	186	91	95	1	-	2	2	46	35	53	25	18	4	-	
	Other Tuberculous Diseases	-	-	45	30	15	4	16	7	3	7	2	3	1	2	-	-	
(3)	Other Infectious and Parasitic Diseases	-	-	14	7	7	2	1	2	-	-	1	4	1	3	-	-	
	Cancer, Malignant Disease	-	-	305	137	168	-	1	-	-	2	6	20	53	75	108	37	
	Diabetes Mellitus	-	-	29	10	19	-	-	-	-	-	2	1	-	6	16	3	
	Other General Dis., Chronic Poisonings	-	-	56	15	41	-	-	-	2	2	5	5	13	12	13	4	
	Cerebral Hæmorrhage, &c.	-	-	302	143	159	-	-	-	-	-	2	4	20	60	107	94	
	Oth. Dis. of Nervous System & Sense Org.	-	-	81	47	34	21	4	2	1	4	4	9	14	11	7	4	
	Heart Disease	-	-	475	233	242	-	1	3	-	10	13	20	53	96	137	114	
	Other Circulatory Diseases	-	-	57	28	29	-	-	-	-	-	-	1	2	4	24	20	
	Bronchitis	-	-	335	156	179	41	10	1	-	1	1	8	23	49	101	82	
	Pneumonia (all forms)	-	-	461	269	192	144	85	13	5	6	14	31	27	50	60	18	
	Other Respiratory Diseases	-	-	54	25	29	5	1	1	1	1	3	5	7	11	8	9	
(1)	Gastric and Duodenal Ulcer	-	-	25	18	7	-	1	-	-	1	1	2	6	7	5	2	
	Diarrhœa, &c. (all ages)	-	-	32	18	14	21	2	1	-	-	-	1	1	3	2	1	
	Appendicitis	-	-	27	12	15	-	-	5	4	5	3	4	2	2	1	1	
(1)	Cirrhosis of Liver	-	-	9	6	3	-	-	-	-	-	-	-	4	3	2	-	
(2)	Other Diseases of Liver, &c.	-	-	12	3	9	-	-	-	-	1	-	1	1	2	5	2	
(2)	Other Digestive Diseases	-	-	60	29	31	9	5	2	-	4	2	3	9	13	6	6	
	Acute and Chronic Nephritis	-	-	98	53	45	-	1	2	-	2	7	7	14	27	28	9	
	Other Dis. of Genito-Urinary System	-	-	32	15	17	1	1	-	-	1	2	1	1	11	9	5	
	Puerperal Sepsis	-	-	12	-	12	-	-	-	-	1	8	3	-	-	-	-	
	Other Puerperal Causes	-	-	17	-	17	-	-	-	-	6	8	3	-	-	-	-	
	Diseases of Skin and Locomotor System	-	-	21	12	9	6	-	-	-	2	-	1	3	3	4	2	
	Congen. Debil., Prem. Birth, Malform., &c.	-	-	174	107	67	173	-	-	1	-	-	-	-	-	-	-	
	Old Age	-	-	90	29	61	-	-	-	-	-	-	-	-	-	12	60	
	Suicide	-	-	26	23	3	-	-	-	-	1	5	3	3	7	5	2	
	Other Violence	-	-	106	68	38	6	8	9	5	5	8	8	12	13	14	15	
	Causes Ill-defined or Unknown	-	-	54	36	18	5	-	-	1	1	-	2	9	13	16	7	
	ALL CAUSES	-	-	3407	1729	1678	494	215	66	28	113	137	211	313	515	708	500	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.
1	Enteric Fever (including Paratyphoid)	2	2	...	...	...	...	...	...
4	Measles	4	...	...	...	3	...	...	...
5	Scarlet Fever	9	6	1	...	1	...	1	...
6	Whooping-cough	85	72	3	...	...	...	2	...
7	Diphtheria	28	12	8	3	...	...	1	1
8	Influenza	42	26	8	...	3	...	...	1
14 (1)	Cerebro-spinal Fever	23	16	2	...	1	2	1	...
14 (2)	Other Epidemic Diseases*	19	9	3	2	...	...	...	1
10	Tuberculosis of Respiratory System ...	186	99	29	18	7	9	10	1
11	Other Tuberculous Diseases	45	23	3	2	1	1	2	1
14 (3)	Other Infectious and Parasitic Diseases	14	9	1	...	1	...	...	...
15	Cancer, Malignant Disease	305	130	62	26	28	7	8	8
18	Diabetes Mellitus	29	11	6	3	1	2	1	2
20	Oth. Gen. Diseases, Chronic Poisonings	56	23	13	4	3	2	1	1
22	Cerebral Hæmorrhage, &c.	302	116	62	21	30	11	12	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.	81	36	11	8	6	2	5	2
24	Heart Disease	475	196	100	37	48	20	9	6
25	Other Circulatory Diseases	57	15	16	6	6	2	2	1
26	Bronchitis	335	162	55	20	32	6	7	8
27	Pneumonia (all forms)	461	229	84	31	43	6	17	7
28	Other Respiratory Diseases	54	19	10	5	3	1	1	4
32 (1)	Gastric and Duodenal Ulcer	25	11	2	3	2	1	...	1
29	Diarrhœa, &c. (all Ages)	32	16	3	3	...	1	1	...
30	Appendicitis	27	12	6	1	...	...	1	...
31 (1)	Cirrhosis of Liver	9	3	4	...	2	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	2	2	1	...	1	...	...
32 (2)	Other Digestive Diseases	60	29	9	4	4	3	2	3
33	Acute and Chronic Nephritis	98	38	16	7	13	2	4	3
34	Oth. Diseases of Genito-Urinary System	32	15	9	1	5	...	...	...
35	Puerperal Sepsis	12	7	3	1	...	...	...	...
36	Other Puerperal Causes	17	10	...	1	...	...	2	...
37	Dis. of Skin, and of Locomotor System	21	12	3	2	2	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	174	81	24	17	12	9	7	3
39	Old Age	90	26	25	10	5	3	4	1
40	Suicide	26	12	6	3	...	5	...	...
42	Other Violence	106	58	14	3	9	5	5	...
43	Causes Ill-defined or Unknown ...	54	33	1	4	...	2	2	3
	All Causes ...	3407	1576	604	247	271	103	109	61
	AGE AT DEATH.								
	Under 1	494	245	68	34	49	12	17	9
	1- 4	215	124	24	9	6	2	13	4
	5- 9	66	35	15	4	2	2	3	...
	10-14	28	19	4	...	1	1	2	...
	15-24	113	68	12	11	5	3	4	...
	25-34	137	68	25	7	9	8	6	1
	35-44	211	94	31	22	14	5	11	3
	45-54	313	159	51	21	20	13	5	13
	55-64	515	234	108	37	34	13	16	8
	65-74	708	312	120	57	57	31	19	14
	75-84	500	183	120	37	60	10	12	8
	85 and over	107	35	26	8	14	3	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	3407	1576	604	247	271	103	109	61

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—January 1931—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Enteric Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	1	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough	1	1	1	4	...	...	...	1
7	Diphtheria ... ..	...	1	...	...	...	1	1	...
8	Influenza ... ..	...	1	...	...	2	...	...	1
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	1	...	...	...	2	...	...	1
10	Tuberculosis of Respiratory System ...	3	1	2	1	2	...	2	...
11	Other Tuberculous Diseases	2	2	...	2	1	2	...	3
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	1	1	...	1
15	Cancer, Malignant Disease	2	6	2	4	4	9	3	4
18	Diabetes Mellitus ... ..	...	...	1	...	1	...	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	1	3	1	...	1	...	1	2
22	Cerebral Hæmorrhage, &c.	3	8	6	2	5	8	2	9
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	1	2	1	3	1	1	1
24	Heart Disease	7	10	10	5	7	5	4	5
25	Other Circulatory Diseases	1	2	2	...	1	...	1	2
26	Bronchitis	4	8	7	4	2	6	4	6
27	Pneumonia (all forms)	7	3	6	4	5	3	4	9
28	Other Respiratory Diseases ... ..	...	2	4	...	...	...	...	4
32 (1)	Gastric and Duodenal Ulcer	1	...	1	...	1	1	1	...
29	Diarrhœa, &c. (all Ages)	4	...	2	1	...	1	...	...
30	Appendicitis	1	...	2	1	1	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	2	1	...	...	1	...	2
32 (2)	Other Digestive Diseases	2	1	...	...	...	...	2	...
33	Acute and Chronic Nephritis	2	1	1	3	3	1	2	1
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	...	...	...	1
35	Puerperal Sepsis ... ..	...	...	...	1	...	...	...	...
36	Other Puerperal Causes	1	...	1	...	1	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	...	1	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	1	2	2	5	2	4	3	...
39	Old Age	1	...	3	1	1	3	3	1
40	Suicide ... ..	...	...	...	...	...	...	...	...
42	Other Violence	3	1	...	...	1	2	2	1
43	Causes Ill-defined or Unknown ...	2	...	2	1	1	1	...	1
	All Causes ...	52	56	60	41	49	50	36	57
	AGE AT DEATH.								
	Under 1	10	4	10	10	5	6	5	5
	1-4	4	2	1	7	4	4	4	6
	5-9	2	...	...	...	1	1	1	...
	10-14 ... ..	...	...	1	...	...	...	...	...
	15-24	3	1	2	1	1	...	...	1
	25-34	3	1	1	3	1	2	...	1
	35-44	8	2	4	...	7	2	3	5
	45-54	6	3	3	5	3	5	2	4
	55-64	5	6	9	6	8	8	6	6
	65-74	7	19	17	7	8	14	7	13
	75-84	4	14	10	2	9	5	7	13
	85 and over ... ..	...	4	2	...	2	3	1	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	52	56	60	41	49	50	36	57

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JANUARY 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS													
	feet.	inch.	inch.	Mean of	Mean of		Mean of A and B (Mean Tem- perature).	Difference from Average.	Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.								
					Maximum (A.)	Minimum (B.)			Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.				N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	189	29.601	29.759	42.5	34.3	38.4	-0.2	50	15, 16	25	1, 6	33.6	1.8	.198	83	20	3.17	-0.10	2	4	0	2	4	8	26	6	10	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.272	29.763	41.4	33.7	37.5	-0.5	50	16th	26	7th	36.9	1.8	.183	83	15	1.94	+0.20	1	0	2	1	4	9	27	3	15	
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.547	29.733	39.5	31.1	35.3	-1.8	49	16th	20	7th	35.0	1.1	.180	89	17	2.94	+0.99	0	5	0	2	0	33	0	22	0	
ABERDEEN,* The Meteorological Office.	85	29.581	29.684	41.1	33.7	37.4	-0.5	52	16th	25	7th	37.3	1.3	.186	83	23	3.06	+0.38	2	0	3	0	12	3	23	8	11	
PAISLEY, The Coats Observatory.	107	29.653	29.774	41.7	33.9	37.8	-1.3	50	15, 16	24	6th	37.7	1.1	.203	90	22	4.29	+0.30	2	3	4	1	4	14	16	7	11	
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.527	29.791	43.2	35.0	39.1	+0.7	51	15th	29	14th	38.4	1.5	.193	86	21	6.62	-0.22	1	4	7	4	3	12	24	4	3	
PERTH,† J. RITCHIE, The Museum.	22	29.685	29.710	41.7	29.8	35.7	-1.3	52	15th	16	7th	34.4	1.1	.170	89	12	2.50	-0.01	4	6	0	0	5	33	2	12	0	
Means	170	29.552	29.745	41.6	33.1	37.3	-0.7	..	..	..	..	36.9	1.5	.188	86	19	3.50	+0.29	2	3	2	1	5	16	17	9	7

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 3° 25'; Perth, 3° 36'; Mean, 3° 36'.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

FEBRUARY 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of February 1931 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 3896 living children, of whom 2010 were males, and 1886 were females. Compared with the number in the previous month, births of male children are 162 fewer, of female children 87 fewer, and of children of both sexes 249 fewer.

The monthly birth-rate in these towns taken collectively was 20·8 per thousand. This rate is 0·9 more than in the previous month, but 0·5 less than the February average.

In the individual towns the monthly birth-rate ranged from 27·3 in Coatbridge, 25·6 in Hamilton and 23·9 in Greenock, to 16·8 in Edinburgh, 16·9 in Dunfermline, and 18·0 in Ayr. In Clydebank this rate was 22·2, in Glasgow 22·1, in Motherwell and Wishaw 21·5, in Falkirk 21·3, in Dundee 21·2, in Perth 20·2, in Kilmarnock 20·1, in Aberdeen 19·4, in Paisley 19·2, and in Kirkcaldy 18·4.

Of the 3896 living children whose births were registered during the month, 3628, or 93·1 per cent., were legitimate, while 268, or 6·9 per cent., were illegitimate. The legitimate children numbered 249 fewer than in the previous month, but the illegitimate children numbered the same. The illegitimate rate for the month is 0·4 more than in the previous month. In the individual towns the illegitimate rate ranged from 10·0 in Kilmarnock, 9·6 in Ayr and 9·3 in Paisley, to 3·4 in Motherwell and Wishaw, 4·1 in Dunfermline, and 5·0 in Falkirk. In Glasgow this rate was 6·1, in Edinburgh 8·3, in Dundee 7·4, and in Aberdeen 8·9.

Marriages registered in these towns during the month numbered 1101, and equalled a marriage-rate of 5·9 per thousand. This number is 749 less than in the previous month. The rate is 3·0 less than in the previous month, and 0·2 less than the February average. In the individual towns the marriage-rate

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 7·1 in Hamilton, 6·9 in Perth and 6·6 in Dundee, to 2·6 in Clydebank, 3·2 in Coatbridge, and 4·2 in Motherwell and Wishaw. In Glasgow this rate was 6·1, in Edinburgh 6·4, and in Aberdeen 5·7.

Deaths registered in these towns during the month numbered 3513, and are 108 fewer than in January. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 3298, and to include the deaths of 1633 males and 1665 females. The corrected number is 109 less than in the previous month, males being 96 fewer and females 13 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 17·6 per thousand, being 1·2 more than in the previous month, but 0·2 below the February average. In the individual towns this death-rate ranged from 23·3 in Aberdeen, 19·4 in Glasgow, and 19·4 in Perth, to 9·9 in Clydebank, 11·7 in Dunfermline, and 11·8 in Ayr. In Dundee this rate was 17·0, in Kilmarnock 16·7, in Coatbridge 16·3, in Edinburgh 16·1, in Paisley 15·7, in Motherwell and Wishaw 14·4, in Kirkcaldy 14·0, in Greenock 13·7, in Falkirk 12·1, and in Hamilton 11·9.

Deaths of children of less than one year old numbered 469, and equalled an infantile mortality rate of 124 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 25 fewer than in the previous month, but the rate is 6 more than in that month, and 4 more than the February average. In the individual towns the infantile mortality rate ranged from 159 in Perth, 143 in Aberdeen, and 140 in Glasgow, to 18 in Falkirk, 56 in Kirkcaldy, and 62 in Greenock. In Coatbridge this rate was 128, in Dundee 123, in Paisley 118, in Edinburgh 117, in Hamilton 110, in Ayr 98, in Motherwell and Wishaw 96, in Kilmarnock 88, in Clydebank 81, and in Dunfermline 65.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision), numbered 280, and equalled a death-rate from these causes of 1·5 per thousand. They included 1 from typhoid fever, 4 from measles, 7 from scarlet fever, 110 from whooping-cough (of which 92 occurred in Glasgow), 22 from diphtheria, 101 from influenza, 23 from cerebro-spinal fever, and 12 from other epidemic diseases, of which 8 were ascribed to erysipelas, 3 to encephalitis lethargica, and 1 to dysentery. Compared with the numbers for the previous month, deaths from influenza are 59 more and from whooping-cough 25 more, but those from measles and from cerebro-spinal fever each number the same, while from typhoid fever they are 1 fewer, from scarlet fever 2 fewer, from diphtheria 6 fewer, and from other epidemic diseases 7 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, in all numbered 749, and equalled a death-rate of 4·0 per thousand. Compared with the returns for the previous month this number is 101 fewer, while the rate is 0·1 less and 0·2 less than the February average.

Deaths from all forms of tuberculosis numbered 235, and from tuberculosis of the respiratory system 177. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 4 more, while those from tuberculosis of the respiratory system are 9 fewer. Compared with the February average deaths from all forms of tuberculosis are 3 more, and those from tuberculosis of the respiratory system are 10 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.**FEBRUARY 1931.**

Mean barometric pressure, 29·707 in.; less than the average of 1881-1915 by 0·136 in.

Mean temperature, 38°·1 F.; less by 0°·3.

Mean daily range of temperature, 9°·1 F.; less by 1°·1.

Rain, depth in inches, 3·01; greater by 0·18 in.

Wind, direction of: a 4 days' excess of south-westerly winds.

As in January the frequent passage of depressions and their associated secondaries across or near the British Isles gave rise to generally unsettled and at times rather stormy weather. The mean barometric pressure was below normal, and the extremes at mean sea level at Edinburgh were 30·38 in. on the 3rd and 28·98 in. on the 11th.

The mean temperature and the mean daily range of temperature were each below the average. A short very mild spell occurred around the 25th; on this date the highest February temperatures for several years were recorded; at Aberdeen the maximum was 59° F., while 56° F. was reported from Kettins, Arbroath, Carnoustie, Leuchars, Gordon Castle and Liberton. On the mornings of 5th, 14th, 16th, 22nd, 23rd and 28th screen minimum temperatures were low; on the 5th 9° F. was recorded at Dalwhinnie, while on the same date 18° F. was reported from Logie Coldstone and Braemar; 18° F. was also reported from Strathpeffer on 22nd and 23rd and from Dalwhinnie on the 22nd. Ground frosts were reported on every day of the month, the lowest grass minimum temperature being that of 4° F. at Dalwhinnie on the 23rd.

Rainfall in northern and western districts and in parts of the Lothians was generally above the average, whilst in areas lying between the Upper reaches of the Dee and Don to the Firth of Forth and in Border Counties it was subnormal. Amongst the largest daily falls were 2·92 in. at Kinlochquoich on 12th and 2·48 in. at Corrie on 11th. In western and north-western counties several places experienced rain or snow each day during the month. The precipitation was frequently in the form of snow, sleet or hail, snow being reported from somewhere or other on each day. The most widespread falls of snow occurred between the 1st and 6th, 11th and 17th, 20th and 24th, and again from the 26th to the 28th. At Kirkmichael snow fell on 25 days, whilst at Dalwhinnie and Braemar it lay throughout the month. Owing to stormy conditions there was much drifting at times, many of the roads being blocked and locally, particularly near Dalwhinnie, the railway services interrupted. At Wolfelee there were 4 ft. drifts on the 1st. On the 16th snow lay to a depth of 12 inches at Dalwhinnie.

Thunderstorms were noted on 10th, 11th, 12th, 15th, 21st and 28th, that of 11th being rather widespread in western and northern districts. Gales were frequent in occurrence but were chiefly centred around 1st, 6th, 8th, 11th, 20th and 27th. A gust of 76 miles per hour was recorded at Kirkwall on the 28th.

During the month fog was reported locally on 1st, 3rd, 4th, 6th, 7th, 9th, 16th, 17th, 21st, 23rd and 24th, whilst aurora was observed on 13th, 15th, 16th and 25th, that of 13th being noted as far south as West Linton.

Sunshine aggregates varied somewhat, but generally those for northern districts were above the average and those in the south below the normal.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 16.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, FEBRUARY 1931.

TOWNS.	POPULATION		BIRTHS.						MARRIAGES.	DEATHS.				
	Census 1921.	Estimated to middle of 1931.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS		Total Corrected.	
								Males.		Females.	Total.	Out.		In.
GLASGOW, . . .	1,051,518	1,088,200	938	908	1846	1734	112	509	893	838	1731	160	46	1617
EDINBURGH, . .	420,264	428,800	289	263	552	506	46	211	304	281	585	67	11	529
DUNDEE, . . .	168,315	167,000	143	128	271	251	20	84	95	127	222	15	11	218
ABERDEEN, . .	158,963	158,900	117	120	237	216	21	69	143	169	312	36	8	284
PAISLEY, . . .	84,837	87,800	73	56	129	117	12	35	59	55	114	12	4	106
GREENOCK, . .	81,133	82,500	88	68	151	140	11	29	46	40	86	3	4	87
MOTHERWELL AND WISHAW, .	68,869	71,700	57	61	118	114	4	23	38	29	67	0	12	79
CLYDEBANK, . .	46,601	49,800	38	47	85	79	6	10	12	15	27	0	11	38
COATBRIDGE, .	43,919	44,900	51	43	94	87	7	11	28	20	48	0	8	56
DUNFERMLINE, .	39,899	37,800	27	22	49	47	2	15	19	25	44	12	2	34
KIRKCALDY, . .	44,298	43,900	32	30	62	58	4	21	21	25	46	4	5	47
HAMILTON, . . .	39,504	40,700	49	31	80	74	6	22	16	18	34	0	3	37
KILMARNOCK, .	35,969	39,000	27	33	60	54	6	15	32	20	52	10	8	50
AYR,	35,763	37,600	24	28	52	47	5	17	26	17	43	9	0	34
FALKIRK, . . .	34,419	36,700	39	21	60	57	3	13	15	21	36	2	0	34
PERTH,	33,208	32,200	23	27	50	47	3	17	37	29	66	20	2	48
TOTAL (SIXTEEN TOWNS)	2,387,479	2,447,500	2010	1886	3896	3628	268	1101	1784	1729	3513	350	135	3298

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, FEBRUARY 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	22·1	6·1	6·1	20·7	19·4	2·2	1·5	1·2	5·2	251	140
EDINBURGH, . .	16·8	8·3	6·4	17·8	16·1	0·7	1·2	1·0	3·3	64	117
DUNDEE, . . .	21·2	7·4	6·6	17·3	17·0	1·0	1·3	0·8	2·3	33	123
ABERDEEN, . .	19·4	8·9	5·7	25·6	23·8	1·4	1·3	1·0	5·2	36	143
PAISLEY, . . .	19·2	9·3	5·2	16·9	15·7	0·6	1·3	0·9	1·9	16	118
GREENOCK, . .	23·9	7·3	4·6	13·6	13·7	0·8	1·3	1·1	2·8	9	62
MOTHERWELL AND WISHAW, .	21·5	3·4	4·2	12·2	14·4	0·5	0·9	0·4	1·8	11	96
CLYDEBANK, . .	22·2	7·1	2·6	7·1	9·9	0·3	1·3	0·8	2·1	6	81
COATBRIDGE, .	27·3	7·4	3·2	13·9	16·3	2·6	0·6	0·0	4·1	11	128
DUNFERMLINE, .	16·9	4·1	5·2	15·2	11·7	0·0	0·7	0·0	1·0	3	65
KIRKCALDY, . .	18·4	6·5	6·2	13·7	14·0	0·9	0·9	0·6	0·6	3	56
HAMILTON, . . .	25·6	7·5	7·1	10·9	11·9	1·9	1·0	0·6	3·5	8	110
KILMARNOCK, .	20·1	10·0	5·0	17·4	16·7	0·0	0·3	0·3	3·3	5	88
AYR,	18·0	9·6	5·9	14·9	11·8	0·3	0·3	0·3	3·5	5	98
FALKIRK, . . .	21·3	5·0	4·6	12·8	12·1	1·4	0·4	0·0	2·1	1	18
PERTH,	20·2	6·0	6·9	26·7	19·4	1·2	0·4	0·4	4·5	7	159
TOTAL . . . (SIXTEEN TOWNS)	20·8	6·9	5·9	18·7	17·6	1·5	1·3	0·9	4·0	469	124

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR FEBRUARY 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature. Seven Towns only.
					Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
FEB. 1931, .	20·8	6·9	5·9	17·6	1	4	7	110	22	101	23	12	124	38°·1
FEB. 1930, .	21·0	7·1	5·6	17·3	1	78	10	33	32	42	10	21	122	35°·1
FEB. 1929, .	20·7	6·8	5·6	24·4	1	2	6	66	30	600	30	30	144	34°·2
FEB. 1928, .	20·2	7·0	6·5	15·8	0	120	5	79	37	42	5	15	111	40°·5
FEB. 1927, .	21·5	6·5	6·3	16·5	0	16	8	54	33	122	6	14	120	40°·1
FEB. 1926, .	23·0	6·1	6·4	15·2	2	153	19	27	26	35	5	16	103	41°·3
FEB. 1925, .	22·7	6·0	5·9	15·8	1	44	26	127	40	67	2	18	105	39°·2
FEB. 1924, .	25·0	6·1	5·4	18·3	1	160	16	110	34	128	2	15	156	39°·7
FEB. 1923, .	25·4	6·6	7·1	14·7	5	55	17	56	35	22	4	13	99	39°·7
FEB. 1922, .	27·6	6·8	7·1	24·2	0	237	16	105	33	507	4	14	172	38°·7
FEB. 1921, .	27·3	7·1	8·6	18·6	4	19	17	162	42	95	4	21	133	40°·9

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—February 1931.

tern'l hort List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	
4	Measles - - - - -	4	3	1	2	2	-	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever - - - - -	7	3	4	1	6	-	-	-	-	-	-	-	-	-	-	-	
6	Whooping-cough - - - - -	110	50	60	64	46	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria - - - - -	22	11	11	1	10	7	3	-	-	-	-	1	-	-	-	-	
8	Influenza - - - - -	101	47	54	2	1	-	1	5	2	12	13	25	21	15	4	-	
14 (1)	Cerebro-spinal Fever - - - - -	23	12	11	8	3	1	-	3	-	-	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* - - - - -	12	8	4	3	1	-	-	1	-	-	5	2	-	-	-	-	
10	Tuberculosis of Respiratory System - - - - -	177	91	86	-	1	-	3	40	28	42	39	17	7	-	-	-	
11	Other Tuberculous Diseases - - - - -	58	29	29	3	14	9	5	10	3	4	5	4	1	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases - - - - -	16	8	8	8	1	1	-	-	-	1	3	2	-	-	-	-	
15	Cancer, Malignant Disease - - - - -	308	135	173	-	2	-	-	2	5	20	44	102	85	41	7	-	
18	Diabetes Mellitus - - - - -	23	9	14	-	-	-	-	-	-	2	1	9	10	1	-	-	
20	Other General Dis., Chronic Poisonings - - - - -	62	23	39	2	2	-	2	5	4	8	10	10	11	7	1	-	
22	Cerebral Hæmorrhage, &c. - - - - -	295	138	157	-	-	-	1	-	-	4	12	66	104	95	13	-	
23	Oth. Dis. of Nervous System & Sense Org. - - - - -	91	46	45	19	7	3	5	3	2	12	16	7	6	10	1	-	
24	Heart Disease - - - - -	427	184	243	1	-	-	1	13	13	18	41	77	124	113	26	-	
25	Other Circulatory Diseases - - - - -	48	23	25	-	1	-	-	-	1	-	6	15	20	4	-	-	
26	Bronchitis - - - - -	277	127	150	22	4	-	-	5	2	19	29	44	66	61	25	-	
27	Pneumonia (all forms) - - - - -	435	256	179	106	98	7	2	13	31	35	47	38	35	15	8	-	
28	Other Respiratory Diseases - - - - -	37	21	16	3	-	-	-	1	1	1	1	2	13	11	4	-	
32 (1)	Gastric and Duodenal Ulcer - - - - -	26	17	9	-	-	-	-	2	2	3	7	6	5	1	-	-	
29	Diarrhœa, &c. (all ages) - - - - -	36	27	9	28	2	-	-	-	-	-	3	-	3	-	-	-	
30	Appendicitis - - - - -	23	12	11	-	-	2	1	6	2	3	3	5	-	1	-	-	
31 (1)	Cirrhosis of Liver - - - - -	9	4	5	-	-	-	-	-	-	1	2	2	2	2	-	-	
31 (2)	Other Diseases of Liver, &c. - - - - -	10	5	5	-	-	-	-	-	-	-	2	3	1	3	1	-	
32 (2)	Other Digestive Diseases - - - - -	46	23	23	6	2	3	2	2	1	2	8	5	9	4	2	-	
33	Acute and Chronic Nephritis - - - - -	98	53	45	-	2	1	-	2	3	16	15	26	24	9	-	-	
34	Other Dis. of Genito-Urinary System - - - - -	41	30	11	1	-	-	-	1	2	4	5	9	13	6	-	-	
35	Puerperal Sepsis - - - - -	12	-	12	-	-	-	-	1	6	5	-	-	-	-	-	-	
36	Other Puerperal Causes - - - - -	10	-	10	-	-	-	-	1	6	3	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System - - - - -	17	9	8	4	3	-	1	2	3	-	1	1	-	2	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. - - - - -	182	95	87	179	3	-	-	-	-	-	-	-	-	-	-	-	
39	Old Age - - - - -	107	41	66	-	-	-	-	-	-	-	-	-	22	55	30	-	
40	Suicide - - - - -	13	7	6	-	-	-	-	2	1	-	5	3	2	-	-	-	
42	Other Violence - - - - -	85	60	25	5	9	3	3	6	4	6	12	12	12	9	4	-	
43	Causes ill-defined or Unknown - - - - -	49	26	23	1	1	1	-	1	1	2	5	13	16	8	-	-	
ALL CAUSES		3298	1633	1665	169	226	40	31	123	127	223	330	501	609	489	130	-	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...
4	Measles	4	...	...	...	4	...	...	...
5	Scarlet Fever	7	4	1	...	...	...	...	...
6	Whooping-cough	110	92	2	5	2	1	2	...
7	Diphtheria	22	13	1	...	...	...	...	...
8	Influenza	101	56	17	4	10	...	3	3
14 (1)	Cerebro-spinal Fever	23	15	2	2	1	2	...	...
14 (2)	Other Epidemic Diseases*	12	6	1	2	...	1	...	...
10	Tuberculosis of Respiratory System	177	96	34	10	12	6	7	2
11	Other Tuberculous Diseases	58	26	5	7	4	3	1	3
14 (3)	Other Infectious and Parasitic Diseases	16	8	2	4	1	...	...	...
15	Cancer, Malignant Disease	308	145	53	26	29	8	5	8
18	Diabetes Mellitus	23	11	1	3	3	1	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	62	23	12	5	3	4	...	3
22	Cerebral Hæmorrhage, &c.	295	121	43	31	32	13	9	2
23	Oth. Dis. of Nerv. Syst. and Sense Org.	91	36	19	5	7	6	1	1
24	Heart Disease	427	178	82	25	48	19	8	13
25	Other Circulatory Diseases	48	11	13	9	6	4	...	1
26	Bronchitis	277	155	48	9	26	3	5	4
27	Pneumonia (all forms)	435	258	60	15	32	10	11	6
28	Other Respiratory Diseases	37	19	1	5	5	...	2	...
32 (1)	Gastric and Duodenal Ulcer	26	10	6	2	2	3	...	...
29	Diarrhœa, &c. (all Ages)	36	25	3	3	1	...	1	1
30	Appendicitis	23	9	8	1	...	3	...	...
31 (1)	Cirrhosis of Liver	9	8	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	10	1	3	2	1	...	...	1
32 (2)	Other Digestive Diseases	46	21	7	4	1	2	2	5
33	Acute and Chronic Nephritis	98	34	26	5	10	1	7	4
34	Oth. Diseases of Genito-Urinary System	41	20	6	1	6	...	1	2
35	Puerperal Sepsis	12	9	...	...	...	1	1	...
36	Other Puerperal Causes	10	4	1	2	...	...	1	...
37	Dis. of Skin, and of Locomotor System	17	7	4	1	2	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	182	83	25	12	16	10	5	7
39	Old Age	107	32	22	9	10	1	10	6
40	Suicide	13	5	2	1	...	1	2	1
42	Other Violence	85	44	17	5	6	1	1	3
43	Causes Ill-defined or Unknown	49	31	1	3	4	1	2	3
	All Causes	3298	1617	529	218	284	106	87	79
	AGE AT DEATH.								
	Under 1	469	251	64	33	36	16	9	11
	1- 4	226	146	19	10	7	4	4	4
	5- 9	40	25	2	2	3	1	2	1
	10-14	31	16	4	1	...	5	1	1
	15-24	123	64	14	5	12	3	6	2
	25-34	127	82	14	6	6	4	4	1
	35-44	223	117	36	13	16	8	9	8
	45-54	330	153	74	11	17	16	8	11
	55-64	501	234	87	44	41	19	12	16
	65-74	609	282	95	49	69	16	11	13
	75-84	489	198	92	38	58	14	18	9
	85 and over	130	49	28	6	19	...	3	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	3298	1617	529	218	284	106	87	79

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—February 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever	2	...	...	...	...	...	...	...
6	Whooping-cough	3	...	...	3	...	...	...	...
7	Diphtheria	1	...	...	2	...	...	2	2
8	Influenza... ..	1	...	3	1	...	1	2	...
14 (1)	Cerebro-spinal Fever	1	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	1	...	...	...	...	...	...	1
10	Tuberculosis of Respiratory System ...	...	...	2	2	1	1	...	1
11	Other Tuberculous Diseases	2	2	1	1	...	...	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	2	3	8	3	2	1	5	5
18	Diabetes Mellitus ... ..	...	1	1	...	...	...	...	2
20	Oth. Gen. Diseases, Chronic Poisonings	2	1	1	1	2	...	2	2
22	Cerebral Haemorrhage, &c.	1	10	2	2	10	6	4	6
23	Oth. Dis. of Nerv. Syst. and Sense Org.	5	4	1	...	1	1	1	...
24	Heart Disease	10	4	10	3	8	6	5	4
25	Other Circulatory Diseases ... ..	...	1	1	...	2	...	...	...
26	Bronchitis	6	3	1	4	3	5	1	1
27	Pneumonia (all forms)	8	...	1	7	4	5	4	9
28	Other Respiratory Diseases ... ..	...	...	...	...	3	...	1	1
32 (1)	Gastric and Duodenal Ulcer	1	...	1	...	...	...	...	1
29	Diarrhoea, &c. (all Ages) ... ..	...	...	...	...	...	...	...	2
30	Appendicitis ... ..	...	...	...	1	1	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	2
32 (2)	Other Digestive Diseases ... ..	...	...	1	...	1	...	...	2
33	Acute and Chronic Nephritis	1	1	1	1	4	...	2	1
34	Oth. Diseases of Genito-Urinary System	...	2	1	1	1	...	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	1	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	2	3	2	2	4	1	3
39	Old Age	1	...	2	3	2	4	2	1
40	Suicide ... ..	...	...	1	...	...	...	...	...
42	Other Violence	1	...	5	...	1	...	1	...
43	Causes Ill-defined or Unknown ...	1	...	...	...	1	...	...	1
	All Causes ...	56	34	47	37	50	34	34	48
	AGE AT DEATH.								
	Under 1	11	3	3	8	5	5	1	7
	1-4	12	1	...	6	5	1	3	2
	5-9 ... ..	...	...	1	1	...	...	...	1
	10-14	1	...	...	1	...	...	...	...
	15-24	1	2	2	...	2	1	2	3
	25-34	1	...	...	2	...	1	1	4
	35-44	1	3	4	2	3	2	...	...
	45-54	3	1	8	3	5	6	4	4
	55-64	7	5	4	2	5	3	6	11
	65-74	11	10	11	4	11	3	10	9
	75-84	6	8	9	5	9	9	5	6
	85 and over	2	1	5	3	5	3	2	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	56	34	47	37	50	34	34	48

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of FEBRUARY 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS														
	Height of Barometer above Sea-level.		Mean of Maximum (A.) Minimum (B.)		Mean of A and B (Mean Tem- perature).		Difference from Average.		Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.		Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.								
									Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.					N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	feet. 139	inch. 29.557	inch. 29.714	° 42.8	° 35.0	° 38.9	° -0.2	° 51	° 25th	° 31	7, 23, 24, 28	39.2	2.0	inch. .196	81	20	3.08	inch. +0.20	4	4	2	0	4	22	16	2	2		
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.235	29.726	42.3	33.9	38.1	-0.2	55	25th	27	28th	37.4	1.9	.180	81	21	1.85	+0.26	2	2	2	1	9	13	23	3	1		
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.504	29.690	41.3	31.3	36.3	-1.2	55	25th	26	5th	35.7	1.2	.186	88	16	1.35	-0.53	0	7	0	4	0	27	0	18	0		
ABERDEEN,* The Meteorological Office.	85	29.541	29.644	42.1	33.6	37.9	-0.4	59	25th	27	16th	37.0	2.1	.173	80	19	2.80	+0.75	3	1	2	0	14	13	7	7	9		
PAISLEY, The Coats Observatory.	107	29.626	29.747	43.5	34.6	39.1	-0.5	51	25th	27	28th	38.8	1.5	.206	86	24	3.77	+0.26	4	3	0	3	9	15	14	6	2		
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.481	29.745	42.8	34.9	38.9	+0.3	50	9, 25	30	28th	38.5	1.8	.198	83	24	6.09	+0.47	0	1	5	4	10	14	13	9	0		
PERTH,† J. RITCHIE, The Museum.	22	29.660	29.685	43.1	31.4	37.3	-0.3	55	25th	25	5, 23	36.5	1.8	.180	83	16	2.09	-0.18	1	7	0	3	2	30	5	8	0		
Means	170	29.515	29.707	42.6	33.5	38.1	-0.4	..	..	..	..	37.6	1.8	.188	83	20	3.01	+0.18	2	3	2	2	7	19	11	8	2

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 28'; Mean, 56° 14'.
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MARCH 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of March 1931 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4452 living children, of whom 2287 were males and 2165 were females. Compared with the number in the previous month, births of male children are 277 more, of female children 279 more, and of children of both sexes 556 more.

The monthly birth-rate in these towns taken collectively was 21·4 per thousand. This rate is 0·6 more than in the previous month, but is 0·7 less than the March average.

In the individual towns the monthly birth-rate ranged from 28·4 in Hamilton, 26·0 in Coatbridge and 25·7 in Greenock, to 16·8 in Edinburgh, 19·3 in Kirkealdy, and 19·4 in Motherwell and Wishaw. In Perth this rate was 24·9, in Ayr 24·4, in Kilmarnock 22·9, in Dundee 22·6, in Dunfermline 22·4, in Falkirk 22·4, in Glasgow 22·3, in Paisley 21·5, in Aberdeen 21·1, and in Clydebank 19·9.

Of the 4452 living children whose births were registered during the month, 4168, or 93·6 per cent., were legitimate, while 284, or 6·4 per cent., were illegitimate. The legitimate children numbered 540 more than in the previous month, while the illegitimate children numbered 16 more. The illegitimate rate for the month is 0·5 less than that for the previous month. In the individual towns the illegitimate rate ranged from 8·5 in Motherwell and Wishaw, 8·1 in Aberdeen, and 7·5 in Edinburgh and in Dundee, to 2·6 in Kilmarnock, 2·6 in Ayr, and 2·9 in Perth. In Glasgow this rate was 6·2.

Marriages registered in these towns during the month numbered 1179, and equalled a marriage-rate of 5·7 per thousand. This number is 78 more than in the previous month. The rate is 0·2 less than in the previous month, but is the same as the March average. In the individual towns the marriage-rate

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 7·8 in Ayr, 7·0 in Kirkcaldy, 6·7 in Edinburgh and 6·5 in Dunfermline, to 2·4 in Clydebank, and 3·1 in Paisley, in Greenock and in Coatbridge. In Glasgow this rate was 6·2, in Dundee 4·2, and in Aberdeen 6·0.

Deaths registered in these towns during the month numbered 4047, and are 534 more than in February. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons with usual residence in one or other of these towns, the corrected number is found to be 3765, and to include the deaths of 1876 males and 1889 females. The corrected number is 467 more than in the previous month, males being 243 more and females 224 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 18·1 per thousand, being 0·5 more than in the previous month, and 0·9 more than the March average. In the individual towns this death-rate ranged from 23·0 in Greenock, 20·7 in Dundee, and 19·1 in Edinburgh and in Aberdeen, to 9·9 in Falkirk, 10·2 in Clydebank, and 13·6 in Motherwell and Wishaw. In Kilmarnock this rate was 18·4, in Glasgow 18·2, in Paisley 18·0, in Coatbridge 17·1, in Ayr 16·9, in Dunfermline 16·2, in Hamilton 16·2, in Kirkcaldy 16·1, and in Perth 13·9.

Deaths of children of less than one year old numbered 505, and equalled an infantile mortality rate of 120 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 36 more than in the previous month. The infantile mortality rate is 4 less than in the previous month, but 2 more than the March average. In the individual towns the infantile mortality rate ranged from 219 in Coatbridge, 175 in Kilmarnock, 148 in Hamilton, and 147 in Greenock, to 49 in Falkirk, 56 in Motherwell and Wishaw, and 77 in Dunfermline. In Glasgow this rate was 131, in Dundee 128, in Paisley 118, in Aberdeen 104, in Ayr 102, in Perth 100, in Clydebank 96, in Edinburgh 90, and in Kirkcaldy 82.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 360, and equalled a death-rate from these causes of 1·7 per thousand. They included none from typhoid fever, 5 from measles, 7 from scarlet fever, 126 from whooping-cough (of which 95 occurred in Glasgow), 19 from diphtheria, 159 from influenza, 23 from cerebro-spinal fever, and 21 from other epidemic diseases, of which 14 were ascribed to erysipelas, 6 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the numbers for the previous month, deaths from influenza are 58 more, from whooping-cough 16 more, from measles 1 more, and from other epidemic diseases 9 more, but those from scarlet fever and from cerebro-spinal fever each number the same, while from diphtheria they are 3 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 881, and equalled a death-rate of 4·2 per thousand. Compared with the returns for the previous month this number is 132 more, while the rate compared with that for February is 0·2 more and compared with the average for March is 0·3 more.

Deaths from all forms of tuberculosis numbered 273, of which 202 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 38 more, and those from tuberculosis of the respiratory system are 25 more. Compared with the average for March deaths from all forms of tuberculosis are 1 more, while those from tuberculosis of the respiratory system are 8 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MARCH 1931.

Mean barometric pressure, 29·984 in.; greater than the average of 1881-1915 by 0·183 in.

Mean temperature, 37°·8 F.; less by 2°·5 F.

Mean daily range of temperature, 11°·4 F.; less by 0°·2 F.

Rain, depth in inches, 1·23; less by 1·56 in.

Wind, direction of: a 9 days' excess of easterly winds.

In contrast with the previous two months of the year barometric pressure was mostly high to the north or east of the British Isles; as a result winds were mainly easterly and the weather dry, cold, and on the whole sunny. The mean barometric pressure was above normal, and the extremes at mean sea level at Edinburgh were 30·65 in. on 24th and 29·49 in. on 13th.

The mean temperature and the mean daily range of temperature were each below the average, it being the coldest March since 1924. Ground frosts were very widespread and frequently severe, occurring on all mornings at some place or another. Some low grass minimum temperatures were:—at Braemar 1° F. on 3rd; at Balmoral 3° F. on 2nd, 1° F. on 3rd, 2° F. on 4th and 5° F. on 15th; at Logie Coldstone 2° F. on 3rd and 4th; at Kettins and Dalwhinnie 3° F. on 2nd, and at West Linton 5° F. on 2nd; at Dalwhinnie on the 3rd the grass temperature was 0° F. Screen minimum temperatures were correspondingly low, the lowest being 1° F. at Braemar on 3rd, 4° F. at Logie Coldstone on 3rd and 4th, and 5° F. at Dalwhinnie and 6° F. at Balmoral on 3rd. At Deerness the screen minimum of 20° F. on the 3rd was the lowest recorded since January 1918, when on the 14th it was 17° F. The grass minimum at Kettins on the 2nd was the lowest since November 1919. The highest maximum reported was 65° F. from Ruthwell on the 20th. On the same day 64° F. was reached at Broomlands (Kelso) and Marchmont; 64° F. was also recorded on 27th at Marchmont and Crieff.

Rainfall totals were everywhere below the average and it was, over large areas, probably one of the driest months of the name on record. At Achnashellach there was less than 10 per cent. of the normal, while over most of the country it was less than 50 per cent. Most of the rain measurements were due to falls of sleet or snow, snow being prevalent during the first fortnight, and again towards the end of the month. At Glenquoich since at least 1876 there has only been one drier March, namely 1924. Between the 1st and 2nd, in the rear of a depression which moved eastwards, heavy snow fell in northern districts, the depth in the Orkneys being about 18 inches. On the 1st at Arbroath there were drifts to about 3 feet. Other heavy falls occurred locally between the 8th and 14th when, particularly in eastern areas, many roads were blocked. At Braemar snow lay on 24 days, at Balmoral for 23 days and at Dalwhinnie 21 days. Hail showers were noted at a few places between the 1st and 11th.

Thunderstorms were reported on the 1st, 2nd, 6th, 7th, 21st and 27th, those of 1st and 2nd being confined to southern counties. Gales occurred locally on the 1st, 6th, 17th and from 29th to 31st; on the whole, however, the month was quiet, it being at the Observatory, Edinburgh, the calmest March since records commenced.

Under the anticyclonic conditions fog was rather prevalent, particularly in the Clyde area and in eastern districts, being reported on 2nd, 10th, 12th-16th, 18th-23rd, 26th-27th and 30th. Aurora was observed on 6 nights.

Sunshine aggregates were mainly above the average.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 24.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MARCH 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1931.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,051,518	1,088,200	1076	985	2061	1933	128	570	977	849	1826	184	37	1679
EDINBURGH, . .	420,264	428,800	318	293	611	565	46	245	354	426	780	97	13	696
DUNDEE, . . .	168,215	167,000	167	153	320	296	24	59	135	169	304	18	8	294
ABERDEEN, . .	158,963	158,900	136	149	285	262	23	81	142	145	287	38	9	258
PAISLEY, . . .	84,837	87,800	84	76	160	154	6	23	63	75	138	10	6	134
GREENOCK, . .	81,133	82,500	92	88	180	167	13	22	81	78	159	5	7	161
MOTHERWELL AND WISHAW, .	68,869	71,700	53	65	118	108	10	20	38	34	72	0	11	83
CLYDEBANK, . .	46,601	49,800	42	42	84	81	3	10	11	21	32	1	12	43
COATBRIDGE, . .	43,919	44,900	49	50	99	95	4	12	31	30	61	4	8	65
DUNFERMLINE, .	39,899	37,800	35	37	72	67	5	21	24	33	57	8	3	52
KIRKCALDY, . .	44,298	43,900	37	35	72	68	4	26	31	23	54	3	9	60
HAMILTON, . . .	39,504	40,700	51	47	98	91	7	17	26	22	48	0	8	56
KILMARNOCK, . .	35,969	39,000	37	39	76	74	2	12	39	32	71	14	4	61
AYR,	35,763	37,600	33	40	78	76	2	25	34	36	70	20	4	54
FALKIRK, . . .	34,419	36,700	39	31	70	65	5	20	21	17	38	11	4	31
PERTH,	33,208	32,200	33	35	68	66	2	16	24	26	50	12	0	38
TOTAL (SIXTEEN TOWNS)	2,387,479	2,447,500	2287	2165	4452	4163	284	1179	2031	2016	4047	425	143	3765

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MARCH 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	22·3	6·2	6·2	19·8	18·2	1·9	1·6	1·2	4·1	259	131
EDINBURGH, . .	16·8	7·5	6·7	21·4	19·1	1·6	1·2	1·0	4·7	55	90
DUNDEE, . . .	22·6	7·5	4·2	21·4	20·7	2·3	1·4	1·0	5·8	38	128
ABERDEEN, . .	21·1	8·1	6·0	21·3	19·1	1·4	1·1	1·0	3·5	29	104
PAISLEY, . . .	21·5	3·8	3·1	18·5	18·0	1·5	0·5	0·5	5·0	18	118
GREENOCK, . .	25·7	7·2	3·1	22·7	23·0	2·9	1·7	1·0	4·6	24	147
MOTHERWELL AND WISHAW, .	19·4	8·5	3·3	11·8	13·6	1·1	0·8	0·7	3·8	7	56
CLYDEBANK, . .	19·9	3·6	2·4	7·6	10·2	1·4	0·5	0·0	2·1	8	96
COATBRIDGE, . .	26·0	4·0	3·1	16·0	17·1	2·1	0·5	0·5	3·7	21	219
DUNFERMLINE, .	22·4	6·9	6·5	17·7	16·2	1·2	0·3	0·3	3·1	4	77
KIRKCALDY, . .	19·3	5·6	7·0	14·5	16·1	0·8	1·9	1·3	1·6	5	82
HAMILTON, . . .	23·4	7·1	4·9	13·9	16·2	1·2	2·0	1·7	5·8	12	148
KILMARNOCK, . .	22·9	2·6	3·6	21·4	18·4	2·7	0·0	0·0	7·5	11	175
AYR,	24·4	2·6	7·8	21·9	16·9	0·3	0·6	0·3	3·8	6	102
FALKIRK, . . .	22·4	7·1	6·4	12·2	9·9	1·3	0·6	0·6	1·6	3	49
PERTH,	24·9	2·9	5·9	18·3	13·9	0·4	0·7	0·4	2·2	5	100
TOTAL . (SIXTEEN TOWNS)	21·4	6·4	5·7	19·5	18·1	1·7	1·3	1·0	4·2	505	120

* Based on the average number of births registered monthly during the past 12 months.
† See columns 6 to 13, Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MARCH 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAR. 1931, .	21·4	6·4	5·7	18·1	0	5	7	126	19	159	23	21	120	37°·8
MAR. 1930, .	21·2	6·7	6·4	17·5	1	127	6	59	30	57	28	30	130	39°·6
MAR. 1929, .	20·2	6·8	5·1	17·4	0	3	6	73	20	118	41	13	107	43°·4
MAR. 1928, .	21·9	6·1	5·0	16·8	1	133	3	106	30	54	15	18	121	40°·5
MAR. 1927, .	23·0	5·9	6·1	16·8	0	22	7	79	26	224	14	20	112	43°·8
MAR. 1926, .	24·3	5·4	6·0	17·4	0	158	30	42	41	100	12	27	119	43°·0
MAR. 1925, .	22·5	6·4	6·3	15·2	2	37	30	147	50	59	9	27	108	41°·1
MAR. 1924, .	23·4	6·5	6·6	23·3	1	166	18	196	21	327	8	17	173	37°·7
MAR. 1923, .	24·8	6·8	6·2	14·6	0	57	18	69	31	21	9	39	94	42°·7
MAR. 1922, .	27·6	6·9	6·5	17·1	2	316	9	77	22	73	2	16	125	40°·6
MAR. 1921, .	27·0	7·6	9·2	17·9	4	29	17	205	39	147	7	20	114	42°·6

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—March 1931.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1 Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 Measles -	5	3	2	2	3	-	-	-	-	-	-	-	-	-	-	-	-
5 Scarlet Fever -	7	4	3	2	2	-	1	-	-	1	1	-	-	-	-	-	-
6 Whooping-cough -	126	57	69	53	71	1	-	-	-	-	1	-	-	-	-	-	-
7 Diphtheria -	19	7	12	3	7	6	2	1	-	-	-	-	-	-	-	-	-
8 Influenza -	159	73	86	6	8	2	1	3	9	13	23	23	27	34	10	-	-
1 (1) Cerebro-spinal Fever -	23	13	10	9	7	-	4	2	1	-	-	-	-	-	-	-	-
4 (2) Other Epidemic Diseases* -	21	14	7	4	-	-	-	2	1	2	4	4	2	2	-	-	-
0 Tuberculosis of Respiratory System -	202	118	84	2	5	2	5	65	41	23	31	18	10	-	-	-	-
1 Other Tuberculous Diseases -	71	33	38	7	21	12	10	12	4	2	1	1	-	1	-	-	-
4 (3) Other Infectious and Parasitic Diseases -	18	10	8	5	-	3	-	3	-	1	3	2	1	-	-	-	-
5 Cancer, Malignant Disease -	311	143	168	-	1	-	-	2	7	17	51	97	96	37	3	-	-
8 Diabetes Mellitus -	24	6	18	-	-	-	-	1	2	2	5	8	5	1	-	-	-
20 Other General Dis., Chronic Poisonings -	54	20	34	1	3	3	1	2	5	8	5	12	10	4	-	-	-
22 Cerebral Hemorrhage, &c. -	354	164	190	-	-	-	-	-	1	4	37	72	131	91	18	-	-
23 Oth. Dis. of Nervous System & Sense Org. -	100	57	43	30	9	2	3	5	7	5	10	15	10	4	0	-	-
24 Heart Disease -	501	236	265	-	-	3	3	12	9	23	55	96	155	116	29	-	-
25 Other Circulatory Diseases -	73	42	31	1	1	-	-	1	-	1	6	7	21	26	9	-	-
26 Bronchitis -	352	156	196	25	11	-	-	1	2	17	23	41	109	98	25	-	-
27 Pneumonia (all forms) -	470	272	198	107	90	13	5	23	29	44	38	35	55	24	7	-	-
28 Other Respiratory Diseases -	59	27	32	3	5	-	-	2	1	3	5	5	19	14	2	-	-
32 (1) Gastric and Duodenal Ulcer -	27	25	2	-	-	-	-	1	5	7	6	6	2	-	-	-	-
29 Diarrhea, &c. (all ages) -	42	19	23	32	5	1	-	-	-	-	3	1	-	-	-	-	-
30 Appendicitis -	27	17	10	-	1	2	3	8	4	3	-	4	2	-	-	-	-
31 (1) Cirrhosis of Liver -	4	3	1	-	-	-	-	-	-	-	2	1	1	-	-	-	-
31 (2) Other Diseases of Liver, &c. -	14	6	8	-	-	-	-	-	-	-	-	4	8	2	-	-	-
32 (2) Other Digestive Diseases -	36	18	18	6	-	-	-	-	2	3	3	8	7	7	-	-	-
33 Acute and Chronic Nephritis -	81	37	44	-	1	-	1	4	2	7	12	22	20	12	-	-	-
34 Other Dis. of Genito-Urinary System -	44	32	12	2	-	1	-	-	4	2	2	6	15	11	1	-	-
35 Puerperal Sepsis -	11	-	11	-	-	-	-	3	6	2	-	-	-	-	-	-	-
36 Other Puerperal Causes -	21	-	21	-	-	-	-	4	9	8	-	-	-	-	-	-	-
37 Diseases of Skin and Locomotor System -	27	17	10	6	2	4	2	2	-	-	5	2	1	1	2	-	-
38 Congen. Debil., Prem. Birth, Malfom., &c. -	194	105	89	189	2	-	2	-	1	-	-	-	-	-	-	-	-
39 Old Age -	129	39	90	-	-	-	-	-	-	-	-	-	20	71	38	-	-
40 Suicide -	25	13	12	-	-	-	-	2	6	5	4	4	2	2	-	-	-
42 Other Violence -	86	59	27	5	9	7	1	9	4	11	10	4	11	14	1	-	-
43 Causes ill-defined or Unknown -	48	31	17	5	-	-	-	-	2	-	12	10	10	4	5	-	-
ALL CAUSES -	3765	1876	1889	505	264	62	41	170	164	214	355	510	751	576	150	-	-

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	5	...	1	...	2	...	...	...
5	Scarlet Fever	7	2	...	...	1	1	2	...
6	Whooping-cough	126	95	3	8	1	5	3	1
7	Diphtheria	19	12	1	1	1	...	...	1
8	Influenza	159	39	47	20	12	2	15	5
14 (1)	Cerebro-spinal Fever	23	11	5	1	...	3	...	...
14 (2)	Other Epidemic Diseases*	21	13	1	3	2	...	...	...
10	Tuberculosis of Respiratory System ...	202	107	35	14	13	4	7	4
11	Other Tuberculous Diseases	71	41	9	6	2	...	5	1
14 (3)	Other Infectious and Parasitic Diseases	18	7	4	1	1	1	1	1
15	Cancer, Malignant Disease	311	148	59	26	16	9	14	6
18	Diabetes Mellitus	24	10	6	2	1	...	3	...
20	Oth. Gen. Diseases, Chronic Poisonings	54	24	12	3	...	...	4	3
22	Cerebral Hæmorrhage, &c.	354	133	81	20	32	14	16	12
23	Oth. Dis. of Nerv. Syst. and Sense Org.	100	47	12	2	6	2	11	2
24	Heart Disease	501	208	116	43	36	19	13	10
25	Other Circulatory Diseases	73	23	13	10	17	2	2	...
26	Bronchitis	352	135	76	30	18	21	17	10
27	Pneumonia (all forms)	470	228	78	45	24	15	13	12
28	Other Respiratory Diseases	59	20	16	7	5	1	2	1
32 (1)	Gastric and Duodenal Ulcer	27	18	4	1	2	...	...	...
29	Diarrhœa, &c. (all Ages)	42	30	2	3	...	1	1	...
30	Appendicitis	27	10	5	1	3	1	2	...
31 (1)	Cirrhosis of Liver	4	2	...	...	...	...	1	...
31 (2)	Other Diseases of Liver, &c.	14	5	3	2	1	2	1	...
32 (2)	Other Digestive Diseases	36	24	1	1	5	...	1	1
33	Acute and Chronic Nephritis	81	30	19	6	8	2	...	2
34	Oth. Diseases of Genito-Urinary System	44	23	5	1	5	2	1	2
35	Puerperal Sepsis	11	7	2	1	...	...	...	...
36	Other Puerperal Causes	21	9	3	2	1	1	2	...
37	Dis. of Skin, and of Locomotor System	27	9	8	...	4	3	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	194	77	27	17	15	11	12	5
39	Old Age	129	37	27	11	16	5	6	1
40	Suicide	25	9	3	2	3	...	1	...
42	Other Violence	86	55	10	3	4	2	2	3
43	Causes Ill-defined or Unknown ...	48	31	2	1	1	5	3	...
	All Causes ...	3765	1679	696	294	258	134	161	83
	AGE AT DEATH.								
	Under 1	505	259	55	38	29	18	24	7
	1- 4	264	155	30	12	6	10	15	8
	5- 9	62	33	6	5	3	2	6	2
	10-14	44	29	5	3	1	...	2	...
	15-24	170	93	20	8	14	3	6	4
	25-34	164	70	32	18	8	4	10	5
	35-44	214	103	39	14	14	12	6	4
	45-54	355	163	66	35	16	10	17	4
	55-64	510	248	91	39	34	14	20	12
	65-74	751	304	166	57	47	32	32	24
	75-84	576	182	146	53	65	25	19	10
	85 and over	150	40	40	12	21	4	4	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	3765	1679	696	294	258	134	161	83

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—March 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	2	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	1	...	...	...
6	Whooping-cough	3	...	...	3	2	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	1	1	...
8	Influenza... ..	4	3	2	1	4	...	3	1
14 (1)	Cerebro-spinal Fever	1	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	1	5	6	...	1	2	1
11	Other Tuberculous Diseases ... ..	...	...	2	1	...	1	...	1
14 (3)	Other Infectious and Parasitic Diseases	1	...	...	...	...	...	...	1
15	Cancer, Malignant Disease	5	2	8	2	2	3	3	3
18	Diabetes Mellitus ... ..	...	1	...	...	...	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	1	...	3	...	1	...	3	...
22	Cerebral Haemorrhage, &c.	5	5	11	4	6	6	2	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.	2	...	1	3	3	4	...	1
24	Heart Disease	4	8	3	6	8	10	2	9
25	Other Circulatory Diseases	1	...	1	1	...	...	...	1
26	Bronchitis	4	4	6	8	11	6	2	2
27	Pneumonia (all forms)	10	6	...	11	12	4	3	3
28	Other Respiratory Diseases ... ..	...	...	...	1	2	2	...	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	1	...	...	...	1	...
29	Diarrhoea, &c. (all Ages)	2	2	...	...	...	1	...	...
30	Appendicitis	1	...	1	...	...	1	1	1
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases	1	1	...	...	...	1	...	...
33	Acute and Chronic Nephritis	4	4	...	...	1	1	1	1
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	1	3	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	1
36	Other Puerperal Causes ... ..	...	...	1	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	...	1	...	1	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	11	2	2	4	2	2	2	3
39	Old Age	2	6	11	2	...	4	...	...
40	Suicide ... ..	...	4	...	...	...	1	2	...
42	Other Violence ... ..	...	...	...	2	3	1	...	1
43	Causes Ill-defined or Unknown ...	...	1	...	...	...	1	...	3
	All Causes	65	52	60	56	61	54	31	38
	AGE AT DEATH.								
	Under 1	21	4	5	12	11	6	3	5
	1- 4	8	2	1	5	3	2	1	...
	5- 9	1	1	...	1	1	1	...	...
	10-14	1	...	...	1	...	1	...	...
	15-24	2	4	4	3	2	3	1	...
	25-34 ... ..	...	3	2	3	...	2	3	3
	35-44	2	3	2	4	6	1	2	...
	45-54	6	7	5	3	6	7	2	3
	55-64	5	4	10	8	3	6	9	5
	65-74	12	10	15	8	11	13	4	8
	75-84	4	10	10	7	17	8	5	9
	85 and over	3	4	6	1	1	4	1	5
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	65	52	60	56	61	54	31	38

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MARCH 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.					HYGROMETER.		RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS															
	feet.	inch.	°	°	°	°	°	°	°	inch.	per cent.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.												
															Maximum (A.)	Minimum (B.)	Mean of	Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum.				Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.
																				Maximum.	Day of Month.	Minimum.	Day of Month.				
																N	NE	E	SE	S	SW	W	NW	Calm or Variable.			
GLASGOW, J. R. CURRIE, Professor M.D., The University.	139	29.806	29.964	45.0	33.1	39.1	-1.5	57	27th	23	2nd	37.0	2.1	.173	79	12	1.09	-1.58	4	8	30	4	0	2	4	4	6
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.506	30.003	42.5	31.7	37.1	-2.8	61	27th	23	7th	35.9	1.5	.180	85	16	1.30	-0.49	6	5	13	15	0	1	7	1	14
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.797	29.983	41.9	31.4	36.7	-3.1	58	27th	24	3, 7	35.9	1.5	.180	85	15	0.95	-1.11	0	23	0	25	0	11	0	3	0
ABERDEEN,* The Meteorological Office.	85	29.888	29.991	41.5	31.4	36.5	-3.6	57	22nd	11	4th	35.5	1.9	.168	81	14	1.14	-1.27	6	2	5	7	15	2	4	12	9
PAISLEY, The Coats Observatory.	107	29.860	29.981	45.2	33.0	39.1	-2.7	58	22, 27	22	2nd	37.5	2.0	.176	81	13	1.21	-1.97	2	9	26	7	0	3	4	5	6
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.720	29.984	43.6	33.1	38.3	-1.8	55	22nd	25	2, 3, 7	36.2	1.6	.176	84	13	1.76	-3.17	1	15	27	3	1	3	4	6	2
PERTH,† J. RITCHIE, The Museum.	22	29.956	29.981	44.5	31.0	37.7	-2.4	63	27th	17	2nd	35.9	1.5	.180	85	9	1.19	-1.30	1	17	6	19	4	4	2	9	0
Means	170	29.790	29.984	43.5	32.1	37.8	-2.5	..	..	..	..	36.3	1.7	.176	83	13	1.23	-1.56	3	11	15	11	3	4	4	6	5

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 23'; Perth, 56° 14'.
 West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

APRIL 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of April 1931 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4309 living children, of whom 2196 were males and 2113 were females. Compared with the number in the previous month, births of male children are 91 fewer, of female children 52 fewer, and of children of both sexes 143 fewer.

The monthly birth-rate in these towns taken collectively was 21·4 per thousand. This rate is the same as in the previous month, but is 1·3 less than the April average.

In the individual towns the monthly birth-rate ranged from 25·1 in Hamilton, 24·8 in Greenock and 24·7 in Coatbridge, to 14·7 in Perth, 15·9 in Kilmarnock and 17·0 in Dunfermline. In Dundee this rate was 23·5, in Paisley 23·1, in Glasgow 22·1, in Ayr 21·7, in Kirkealdy 21·3, in Aberdeen 21·0, in Motherwell and Wishaw 20·4, in Edinburgh 19·5, in Falkirk 19·5 and in Clydebank 17·1.

Of the 4309 living children whose births were registered during the month, 4026, or 93·4 per cent., were legitimate, while 283, or 6·6 per cent., were illegitimate. The legitimate children numbered 142 fewer than in the previous month, while the illegitimate children were 1 fewer. The illegitimate rate for the month is 0·2 more than in the previous month. In the individual towns the illegitimate rate ranged from 9·0 in Ayr, 8·8 in Coatbridge, and 8·4 in Aberdeen, to 1·7 in Falkirk, 2·0 in Kilmarnock and 2·6 in Perth. In Glasgow this rate was 6·7, in Edinburgh 8·0 and in Dundee 6·2.

Marriages registered in these towns during the month numbered 1826, and equalled a marriage-rate of 9·1 per thousand. This number is 647 more than in the previous month, while the rate is 3·4 more than in that month, but 0·1 less than the April average. In the individual towns the monthly marriage-rate

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 11·3 in Perth, 10·5 in Edinburgh and 10·0 in Dunfermline, to 5·1 in Motherwell and Wishaw, 5·2 in Coatbridge and 5·6 in Greenock. In Glasgow the rate was 9·7, in Dundee 9·9 and in Aberdeen 7·8.

Deaths registered in these towns during the month numbered 3205, and are 842 fewer than in March. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons with usual residence in one or other of these towns, the corrected number is found to be 3047, and to include the deaths of 1588 males and 1459 females. The corrected number is 718 fewer than in the previous month, males being 288 fewer and females 430 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 15·1 per thousand, being 3·0 less than in the previous month, and 0·9 less than the April average. In the individual towns this death-rate varied from 18·1 in Perth, 17·9 in Dundee, 17·5 in Kirkcaldy and 17·5 in Ayr, to 10·9 in Kilmarnock, 11·1 in Hamilton, 11·2 in Clydebank and 11·9 in Motherwell and Wishaw. In Glasgow this rate was 15·8, in Coatbridge 15·5, in Edinburgh 14·8, in Paisley 14·7, in Aberdeen 13·9, in Greenock 13·4, in Falkirk 13·3 and in Dunfermline 12·9.

Deaths of children of less than one year old numbered 429, and equalled an infantile mortality rate of 105 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 76 fewer than in the previous month, while the infantile mortality rate is 15 less than in that month, and 3 less than the average for April. In the individual towns this rate ranged from 157 in Dunfermline, 131 in Dundee and 130 in Coatbridge, to 33 in Kilmarnock, 34 in Falkirk and 38 in Hamilton. In Glasgow it was 127, in Perth 106, in Aberdeen 104, in Ayr 88, in Greenock 82, in Paisley 81, in Motherwell and Wishaw 75, in Edinburgh 71, in Kirkcaldy 67 and in Clydebank 39.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 244, and equalled a death-rate from these causes of 1·2 per thousand. They numbered 116 fewer than in the previous month, and included none from typhoid fever, 5 from measles, 14 from scarlet fever, 97 from whooping-cough (of which 75 occurred in Glasgow), 20 from diphtheria, 74 from influenza, 22 from cerebro-spinal fever, and 12 from other epidemic diseases, of which 7 were ascribed to erysipelas, 4 to lethargic encephalitis, and 1 to acute poliomyelitis. Compared with the numbers for the previous month, deaths from scarlet fever are 7 more and from diphtheria 1 more, but those from measles number the same, while from cerebro-spinal fever they are 1 fewer, from other epidemic diseases 9 fewer, from whooping-cough 29 fewer and from influenza 85 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 614, and equalled a death-rate of 3·1 per thousand. Compared with the returns for the previous month they number 267 fewer, while the rate is 1·1 less than in that month, and 0·1 less than the average for April.

Deaths from all forms of tuberculosis numbered 256, of which 188 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 17 fewer, and from tuberculosis of the respiratory system 14 fewer. Compared with the average for April deaths from all forms of tuberculosis are 6 fewer, while those from tuberculosis of the respiratory system are 3 more,

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

APRIL 1931.

Mean barometric pressure, 29·836 in. ; less than the average of 1881-1915 by 0·054 in.

Mean temperature, 44°·8 F. ; greater by 0°·3 F.

Mean daily range of temperature, 12°·9 F. ; less by 1°·1 F.

Rain, depth in inches, 1·91 ; less by 0·20 in.

Wind, direction of : a slight excess of westerly winds.

Barometric pressure during the first few days was relatively low over the British Isles, then for a time it became mainly high to the south and low to the north, this being followed by a period with pressure high to the north or west, and low to the east or south-east. Towards the end of the month it again became relatively low. The mean barometric pressure was below normal, and the extremes at mean sea-level at Edinburgh were 30·23 in. on 19th and 29·27 in. on 25th.

The mean temperature was slightly above normal, this being due to the smallness of the daily range, the mean maximum being subnormal. The warmest period was centred round the 10th, when at many places the temperature went above 60° F., 65° F. being reached on the 10th at Cupar and on the 11th at Kirkcaldy and Edinburgh. In some western and northern districts the maximum during the month did not touch 60° F. The coldest morning was perhaps the 6th, when at West Linton and Dalwhinnie the temperature in the screen fell to 22° F. and at Renfrew to 23° F. Ground frosts occurred somewhere or other on all mornings except the 8th-9th, 11th-12th, 14th-15th and 24th-26th, the lowest grass temperature being 12° F. at Dalwhinnie on 6th and 23rd.

In western Scotland and locally elsewhere rainfall was generally well below the average, while in eastern Scotland the excess was greatest over south-eastern counties. Although it was below normal in the west there were many areas with only two rainless days, the daily rainfall amounts being on the whole small. Snow or sleet showers were of frequent occurrence, being reported on as many as 13 days locally, while at Glencoe there was fresh snow on the hills almost every night ; the most general fall was perhaps that of 1st-2nd, 4 in. being reported lying at Duntulm, Skye, on the morning of 2nd ; there were, however, no large falls during the month. Hail was reported on numerous occasions, most frequently between 17th and 22nd and 26th to 28th.

Local thunderstorms occurred on 17th, 18th, 22nd, 24th-26th, 28th and 29th, while gales were reported on 1st, 4th, 8th, 11th, 16th-18th and 27th, the most widespread being that of 17th, particularly over southern Scotland.

Fog was not infrequent but was very local ; the Clyde area was affected on 8 days. Aurora was observed on 8 nights, being reported from Gordon Castle on the 3rd as very bright.

Sunshine aggregates were, with the exception of the Orkneys, below normal ; the sunniest periods were mostly around the 6th, 19th and 28th, when in many places there were over 11 hours sunshine. At Tiree there was a total of more than 40 hours for the three days 18th to 20th, and over 39 hours for the three days 27th to 29th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 32.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, APRIL 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1931.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . .	1,051,518	1,088,200	986	994	1980	1847	133	868	800	695	1495	137	55	1413
EDINBURGH, .	420,264	428,800	357	329	686	631	55	371	281	274	555	64	29	520
DUNDEE, . .	168,315	167,000	174	149	323	303	20	136	131	126	257	16	4	245
ABERDEEN. . .	158,963	158,900	155	119	274	251	23	102	113	91	204	28	6	182
PAISLEY, . .	84,837	87,800	82	85	167	159	8	55	49	68	117	14	3	106
GREENOCK, . .	81,133	82,500	89	79	168	163	5	38	48	39	87	3	7	91
MOTHERWELL AND WISHAW, .	68,869	71,700	61	59	120	115	5	30	39	22	61	0	9	70
CLYDEBANK, .	46,601	49,800	38	32	70	67	3	24	15	13	28	0	18	46
COATBRIDGE, .	43,919	44,900	45	46	91	83	8	19	24	25	49	1	9	57
DUNFERMLINE, .	39,899	37,800	29	24	53	49	4	31	30	25	55	16	1	40
KIRKCALDY, .	44,298	43,900	37	40	77	73	4	35	21	36	57	3	9	63
HAMILTON, . .	39,504	40,700	40	44	84	78	6	21	17	12	29	1	9	37
KILMARNOCK, .	35,969	39,000	18	33	51	50	1	19	20	15	35	4	4	35
AYR,	35,763	37,600	28	39	67	61	6	23	36	34	70	20	4	54
FALKIRK, . .	34,419	36,700	32	27	59	58	1	24	24	22	46	8	2	40
PERTH, . . .	33,208	32,200	25	14	39	38	1	30	23	37	60	15	3	48
TOTAL . . . (SIXTEEN TOWNS)	2,387,479	2,447,500	2196	2113	4309	4026	283	1826	1671	1534	3205	330	172	3047

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, APRIL 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, .	22.1	6.7	9.7	16.7	15.8	1.6	1.2	0.8	3.5	243	127	
EDINBURGH, .	19.5	8.0	10.5	15.7	14.8	0.8	1.5	1.2	2.4	42	71	
DUNDEE, . .	23.5	6.2	9.9	18.7	17.9	1.8	1.4	1.1	4.1	38	131	
ABERDEEN, .	21.0	8.4	7.8	15.6	13.9	0.5	1.1	0.5	2.4	28	104	
PAISLEY, . .	23.1	4.8	7.6	16.2	14.7	0.7	1.8	1.5	1.9	12	81	
GREENOCK, .	24.8	3.0	5.6	12.8	13.4	0.6	2.2	1.9	2.2	13	82	
MOTHERWELL AND WISHAW,	20.4	4.2	5.1	10.4	11.9	0.8	1.0	0.8	2.2	9	75	
CLYDEBANK, .	17.1	4.3	5.9	6.8	11.2	0.5	1.5	1.0	2.4	3	39	
COATBRIDGE, .	24.7	8.8	5.2	13.3	15.5	1.6	2.2	1.1	4.1	12	130	
DUNFERMLINE,	17.0	7.5	10.0	17.7	12.9	0.6	1.0	0.3	2.3	8	157	
KIRKCALDY, .	21.3	5.2	9.7	15.8	17.5	1.1	0.6	0.0	3.3	4	67	
HAMILTON, .	25.1	7.1	6.3	8.7	11.1	0.6	1.2	0.9	1.8	3	38	
KILMARNOCK,	15.9	2.0	5.9	10.9	10.9	0.9	0.3	0.3	2.2	2	33	
AYR,	21.7	9.0	7.4	22.6	17.5	0.3	1.0	0.6	2.6	5	88	
FALKIRK, . .	19.5	1.7	8.0	15.2	13.3	1.0	0.3	0.0	2.3	2	34	
PERTH, . . .	14.7	2.6	11.3	22.7	18.1	0.8	1.1	1.1	1.5	5	106	
TOTAL . . . (SIXTEEN TOWNS)	21.4	6.6	9.1	15.9	15.1	1.2	1.3	0.9	3.1	429	105	

* Based on the average number of births registered monthly during the past 12 months.

† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR APRIL 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
APR. 1931. .	21.4	6.6	9.1	15.1	0	5	14	97	20	74	22	12	105	44°·8
APR. 1930. .	21.6	6.4	9.7	15.3	1	106	5	63	23	43	20	24	103	45°·5
APR. 1929. .	22.5	6.4	10.3	14.6	0	2	7	60	23	38	28	18	96	42°·8
APR. 1928. .	22.7	5.7	9.6	16.1	1	107	10	104	38	38	11	12	116	45°·3
APR. 1927. .	22.2	5.6	8.2	14.6	2	19	6	63	15	53	10	11	101	44°·4
APR. 1926. .	24.8	6.0	8.4	19.4	2	138	25	59	41	330	7	14	123	47°·0
APR. 1925. .	24.0	6.5	9.2	15.0	2	30	22	151	19	35	3	14	109	43°·5
APR. 1924. .	23.8	6.5	8.8	17.8	1	150	21	135	18	153	8	18	130	43°·7
APR. 1923. .	26.4	6.2	11.2	14.5	3	66	26	81	31	20	1	23	92	42°·9
APR. 1922. .	26.2	7.0	9.5	18.1	1	505	8	83	27	27	5	23	135	41°·0
APR. 1921. .	29.7	6.3	10.6	15.5	1	25	16	167	23	68	6	24	99	46°·0

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—April 1931.

CAUSES OF DEATH.				Age.													
	Total.	Males.	Females.	-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Measles - - - - -	5	4	1	1	2	2	-	-	-	-	-	-	-	-	-		
Scarlet Fever - - - - -	14	8	6	1	5	3	-	1	2	2	-	-	-	-	-		
Whooping-cough - - - - -	97	45	52	48	48	1	-	-	-	-	-	-	-	-	-		
Diphtheria - - - - -	20	7	13	1	11	4	2	1	-	-	1	-	-	-	-		
Influenza - - - - -	74	30	44	-	-	-	-	2	4	7	9	13	20	14	5		
(1) Cerebro-spinal Fever - - - - -	22	9	13	9	5	2	-	4	1	-	-	1	-	-	-		
(2) Other Epidemic Diseases* - - - - -	12	5	7	1	1	1	-	1	1	1	1	2	1	2	-		
Tuberculosis of Respiratory System - - - - -	188	105	83	-	6	2	1	47	40	40	34	10	6	2	-		
Other Tuberculous Diseases - - - - -	68	34	34	10	16	5	4	16	9	2	5	1	-	-	-		
(3) Other Infectious and Parasitic Diseases - - - - -	10	5	5	3	1	-	-	-	-	2	2	-	2	-	-		
Cancer, Malignant Disease - - - - -	242	117	125	-	1	-	-	1	4	18	41	75	68	29	5		
Diabetes Mellitus - - - - -	26	8	18	-	-	-	-	-	1	2	1	8	11	3	-		
Other General Dis., Chronic Poisonings - - - - -	49	22	27	4	2	3	5	3	3	3	6	11	7	2	-		
Cerebral Hæmorrhage, &c. - - - - -	271	118	153	1	-	-	-	2	1	4	28	58	98	64	15		
Oth. Dis. of Nervous System & Sense Org. - - - - -	96	59	37	19	5	3	4	4	7	12	12	16	9	5	-		
Heart Disease - - - - -	412	201	211	1	1	1	6	7	7	18	44	90	137	85	15		
Other Circulatory Diseases - - - - -	49	26	23	-	-	-	-	-	-	-	3	2	11	25	8		
Bronchitis - - - - -	293	108	95	17	1	-	-	2	2	4	14	33	68	50	12		
Pneumonia (all forms) - - - - -	367	216	151	89	70	5	1	6	25	27	33	29	50	24	8		
Other Respiratory Diseases - - - - -	41	25	19	2	5	-	1	1	1	4	2	5	8	13	2		
(1) Gastric and Duodenal Ulcer - - - - -	18	15	3	-	-	-	-	-	4	2	2	5	4	-	1		
Diarrhœa, &c. (all ages) - - - - -	35	19	17	30	2	-	-	-	-	1	-	1	1	1	-		
Appendicitis - - - - -	24	13	11	-	1	2	1	3	1	5	5	3	3	-	-		
(1) Cirrhosis of Liver - - - - -	7	5	2	-	-	-	-	1	-	-	1	2	3	-	-		
(2) Other Diseases of Liver, &c. - - - - -	13	2	11	-	-	-	-	-	-	2	1	4	5	-	1		
(2) Other Digestive Diseases - - - - -	59	27	23	2	4	3	1	3	2	1	10	6	9	8	1		
Acute and Chronic Nephritis - - - - -	85	43	42	1	-	-	-	3	6	8	16	19	19	12	1		
Other Dis. of Genito-Urinary System - - - - -	25	20	5	-	-	-	-	-	1	2	-	6	10	5	1		
Puerperal Sepsis - - - - -	9	-	9	-	-	-	-	1	6	2	-	-	-	-	-		
Other Puerperal Causes - - - - -	11	-	11	-	-	-	-	3	5	3	-	-	-	-	-		
Diseases of Skin and Locomotor System - - - - -	22	16	4	6	1	4	1	1	-	1	1	1	4	-	-		
Congen. Debil., Prem. Birth, Malform., &c. - - - - -	177	104	73	174	2	-	1	-	-	-	-	-	-	-	-		
Old Age - - - - -	119	43	67	-	-	-	-	-	-	-	-	-	16	66	23		
Suicide - - - - -	24	21	3	-	-	-	-	2	4	5	6	4	3	-	-		
Other Violence - - - - -	98	62	36	6	10	11	5	16	5	10	9	2	13	8	3		
Causes Ill-defined or Unknown - - - - -	71	46	25	3	-	-	-	-	-	2	12	16	22	12	4		
ALL CAUSES - - - - -	6047	1588	1459	429	200	52	33	131	142	190	299	423	608	430	110		

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Girdlebank
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	5	2	1	2	...	...	...	...	...
5	Scarlet Fever	14	8	1	...	2	...	2	1	...
6	Whooping-cough	97	75	2	8	1	2	...	2	...
7	Diphtheria	20	10	4	2	1	...	...	...	...
8	Influenza	74	26	15	11	2	2	2	2	...
14 (1)	Cerebro-spinal Fever	22	15	4	1	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	12	9	1	1	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	188	76	43	15	7	11	13	5	...
11	Other Tuberculous Diseases	68	30	9	4	7	2	2	1	...
14 (3)	Other Infectious and Parasitic Diseases	10	9	1	...	...	...	...	...	...
15	Cancer, Malignant Disease	242	102	46	17	11	12	4	8	...
18	Diabetes Mellitus	26	12	5	1	3	...	...	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	49	23	9	2	3	2	3	2	...
22	Cerebral Hæmorrhage, &c.	271	118	52	21	25	10	10	4	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.	96	44	15	6	6	3	5	4	...
24	Heart Disease	412	153	96	31	34	18	11	8	...
25	Other Circulatory Diseases	49	13	14	7	9	1	...	...	...
26	Bronchitis	203	92	28	20	13	5	10	5	...
27	Pneumonia (all forms)	367	212	43	30	16	8	5	6	...
28	Other Respiratory Diseases	44	12	13	6	2	1	...	2	...
32 (1)	Gastric and Duodenal Ulcer	18	8	3	1	4	...	...	...	...
29	Diarrhœa, &c. (all Ages)	36	23	3	4	1	...	1	...	...
30	Appendicitis	24	10	4	1	2	2	...	2	...
31 (1)	Cirrhosis of Liver	7	4	2	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	13	4	4	...	1	1	...	1	...
32 (2)	Other Digestive Diseases	50	23	10	4	...	2	1	1	...
33	Acute and Chronic Nephritis	85	34	15	7	7	5	...	2	...
34	Oth. Diseases of Genito-Urinary System	25	13	2	1	...	1	1	2	...
35	Puerperal Sepsis	9	6	1	2	...	...	...	...	...
36	Other Puerperal Causes	11	6	1	...	...	2	1	1	...
37	Dis. of Skin, and of Locomotor System	20	9	1	1	2	...	3	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	177	87	27	15	14	7	4	2	...
39	Old Age	110	40	20	14	5	3	4	3	...
40	Suicide	24	7	8	...	2	1	...	1	...
42	Other Violence	98	50	16	6	1	2	4	3	...
43	Causes Ill-defined or Unknown ...	71	48	1	4	...	2	5	1	...
All Causes ...		3047	1413	520	245	182	106	91	70	40
AGE AT DEATH.										
Under 1		429	243	42	38	28	12	13	9	...
1- 4		200	118	25	18	4	4	5	5	...
5- 9		52	24	6	5	1	3	5	2	...
10-14		33	20	7	1	1	1	...	...	...
15-24		131	60	20	5	7	6	9	6	...
25-34		142	62	21	19	6	8	4	4	...
35-44		190	98	31	13	6	7	4	1	...
45-54		299	131	58	20	10	11	10	11	...
55-64		423	194	72	32	30	13	12	7	...
65-74		608	274	126	42	37	25	17	12	...
75-84		430	157	85	42	38	13	12	11	...
85 and over		110	32	27	10	14	3	...	2	...
Not stated ... ..		...	...	...	...	...	...	...	...	...
All Ages ...		3047	1413	520	245	182	106	91	70	40

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—April 1931—continued.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough	3	...	...	2	...	1	...	...
7	Diphtheria ... ..	...	...	1	...	...	...	2	...
8	Influenza... ..	2	2	3	...	3	...	1	2
14 (1)	Cerebro-spinal Fever	1	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	4	1	...	3	1	2	...	3
11	Other Tuberculous Diseases	4	2	2	1	...	1	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	9	6	3	4	1	3	8
18	Diabetes Mellitus ... ..	...	...	...	...	1	1	1	2
20	Oth. Gen. Diseases, Chronic Poisonings	...	...	...	1	1	...	1	1
22	Cerebral Hæmorrhage, &c.	2	3	6	3	5	4	2	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.	2	1	2	3	...	3	2	...
24	Heart Disease	7	5	14	2	3	11	5	6
25	Other Circulatory Diseases	2	...	...	...	...	...	1	1
26	Bronchitis	7	4	6	...	2	2	3	3
27	Pneumonia (all forms)	7	3	4	5	4	7	7	3
28	Other Respiratory Diseases	1	...	2	1	2	1	...	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	1	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	...	1	1	...	...
30	Appendicitis ... ..	...	1	...	2	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	1	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	1	...	...
32 (2)	Other Digestive Diseases	1	...	...	3	...	1	1	2
33	Acute and Chronic Nephritis	1	2	7	2	2	...	...	...
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	...	1	2	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	1	...	1	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	2	1	1	2	4	2	5
39	Old Age	3	1	4	...	...	6	3	2
40	Suicide ... ..	...	2	1	1	...	...	...	...
42	Other Violence	2	2	2	2	2	1	2	2
43	Causes Ill-defined or Unknown ...	...	...	...	1	...	5	1	2
	All Causes	57	40	63	37	35	54	40	48
	AGE AT DEATH.								
	Under 1	12	8	4	3	2	5	2	5
	1- 4	7	1	1	2	...	3	3	...
	5- 9 ... ..	...	...	1	1	2	1	...	...
	10-14 ... ..	...	...	1	1	...	...	1	...
	15-24	4	1	1	2	2	1	2	1
	25-34	2	2	1	2	1	4	2	1
	35-44 ... ..	...	3	5	5	3	4	3	3
	45-54	7	6	8	4	4	3	4	6
	55-64	10	8	9	8	7	8	3	5
	65-74	5	5	16	3	9	12	10	6
	75-84	8	4	12	4	5	9	8	16
	85 and over	2	2	4	2	...	4	2	5
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	57	40	63	37	35	54	40	48

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of APRIL 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.		RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																		
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Mean of	Mean of A and B (Mean Tem- perature).			Difference from Average.	Absolute Maximum and Minimum.			Mean at 9 A.M. and 9 P.M.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.															
				Maximum (A.)	Minimum (B.)	Day of Month.		Maximum.	Day of Month.	Minimum.						Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	per cent.	inch.	inch.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.632	29.837	51.8	39.7	45.7	+0.7	62	11th	31	1st	45.3	3.5	.216	72	17	1.42	-0.66	2	8	8	2	4	4	22	6	4				
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.362	29.849	50.0	38.3	44.1	+0.3	64	11th	30	1st	43.7	2.9	.223	76	17	2.02	+0.64	4	5	4	4	2	4	28	3	6				
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.641	29.823	50.3	36.9	43.6	-0.5	63	10th	31	6, 7	43.3	2.3	.226	81	19	2.13	+0.43	0	10	0	17	0	17	0	16	0				
ABERDEEN,* The Meteorological Office.	85	29.700	29.802	49.3	33.2	43.7	0.0	60	10, 11	30	23rd	43.3	2.5	.223	79	19	1.54	-0.33	10	1	3	7	10	3	14	10	2				
PAISLEY, The Coats Observatory.	107	29.727	29.847	53.3	39.2	46.3	+0.1	61	11, 29	31	1, 6	45.3	3.0	.228	76	18	1.76	-0.56	2	8	6	3	5	7	16	8	5				
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.610	29.870	50.9	39.3	45.1	+0.5	59	11, 29	32	1, 2	44.3	3.2	.213	74	20	2.32	-1.32	6	13	1	7	3	12	12	0					
PERTH,† J. RITCHIE, The Museum.	22	29.799	29.824	53.2	37.0	45.1	+0.6	63	9, 10	29	1st	45.5	3.4	.220	73	17	2.16	+0.38	4	2	0	16	2	21	4	11	0				
Means	170	29.646	29.836	51.3	38.4	44.8	+0.3	62	..	..	..	44.4	3.0	.22	76	18	1.91	-0.20	4	6	5	7	4	8	14	9	3	

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude. — Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 28'; Mean, 56° 14'.
 West Longitude. — Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

MAY 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of May 1931 there were registered in the Sixteen Principal Towns of Scotland, those burghs which at the date of the 1921 Census had populations of over 30,000, the births of 4243 living children, of whom 2162 were males and 2081 were females. Compared with the number in the previous month, births of male children are 34 fewer, of female children 32 fewer, and of children of both sexes 66 fewer.

The monthly birth-rate in these towns taken collectively was 20·4 per thousand. This rate is 1·0 less than in the previous month, and 1·7 less than the average for May.

In the individual towns the monthly birth-rate ranged from 27·8 in Hamilton, 26·2 in Coatbridge and 24·0 in Greenock, to 16·1 in Kirkealdy, 17·2 in Edinburgh and 17·2 in Perth. In Dundee this rate was 22·0, in Kilmarnock 22·0, in Glasgow 21·3, in Paisley 21·3, in Ayr 20·3, in Clydebank 19·9, in Aberdeen 19·3, in Dunfermline 19·3, in Motherwell and Wishaw 18·7, and in Falkirk 17·3.

Of the 4243 living children whose births were registered during the month, 3931, or 92·6 per cent., were legitimate, while 312, or 7·4 per cent., were illegitimate. The legitimate children numbered 95 fewer than in the previous month, but the illegitimate children were 29 more. The illegitimate rate for the month is 0·8 more than in the previous month. In the individual towns the illegitimate birth-rate ranged from 11·2 in Aberdeen, 9·6 in Kilmarnock and 8·5 in Perth, to 0·0 in Falkirk, 3·2 in Dunfermline, and 5·0 in Coatbridge and in Kirkealdy. In Glasgow and in Dundee this rate was 7·7, and in Edinburgh 6·7.

Marriages registered in these towns during the month numbered 668, and equalled a marriage-rate of 3·2 per thousand. This number is 1158 fewer than in the previous month, while the rate is 5·9 less than in that month, and 0·5 less than the average for May. In the individual towns the monthly marriage-rate

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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ranged from 4·7 in Aberdeen, 3·9 in Glasgow and 3·3 in Edinburgh, to 0·8 in Paisley, 0·8 in Motherwell and Wishaw and 1·2 in Clydebank. In Dundee this rate was 2·3.

Deaths registered in these towns during the month numbered 2810, and are 395 fewer than in April. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons with usual residence in one or other of these towns, the corrected number is found to be 2594, and to include the deaths of 1360 males and 1234 females. The corrected number is 453 fewer than in the previous month, males being 228 fewer and females 225 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 12·5 per thousand, being 2·6 less than in the previous month, and 1·4 less than the average for May. In the individual towns this death-rate varied from 15·2 in Dundee, 13·5 in Glasgow and 13·3 in Aberdeen, to 7·7 in Motherwell and Wishaw, 7·8 in Hamilton and 8·0 in Clydebank. In Coatbridge this rate was 13·1, in Kilmarnock 13·0, in Perth 12·8, in Edinburgh 11·9, in Dunfermline 11·8, in Paisley 10·7, in Ayr 10·6, in Greenock 9·7, in Falkirk 9·3, and in Kirkcaldy 8·9.

Deaths of children of less than one year old numbered 362, and equalled an infantile mortality rate of 87 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 67 fewer than in the previous month, while the infantile mortality rate is 18 less than in that month, and 2 less than the average for May. In the individual towns this rate ranged from 113 in Kilmarnock, 108 in Glasgow and 94 in Dunfermline, to 16 in Kirkcaldy, 34 in Falkirk and 38 in Clydebank. In Aberdeen this rate was 88, in Paisley 86, in Dundee 84, in Coatbridge 83, in Hamilton 73, in Ayr 67, in Motherwell and Wishaw 65, in Perth 64, in Greenock 61, and in Edinburgh 51.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 175, and equalled a death-rate from these causes of 0·8 per thousand. They numbered 69 fewer than in the previous month, and included none from typhoid fever, 21 from measles, 11 from scarlet fever, 67 from whooping-cough, 17 from diphtheria, 25 from influenza, 19 from cerebro-spinal fever, and 15 from other epidemic diseases, of which 8 were ascribed to erysipelas, 6 to lethargic encephalitis, and 1 to dysentery. Compared with the numbers for the previous month, deaths from measles are 16 more and from other epidemic diseases 3 more, but those from scarlet fever are 3 fewer, from diphtheria 3 fewer, from cerebro-spinal fever 3 fewer, from whooping-cough 30 fewer, and from influenza 49 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 388, and equalled a death-rate of 1·9 per thousand. Compared with the returns for the previous month they are 226 fewer, while the rate is 1·2 less than in that month, and 0·5 less than the average for May.

Deaths from all forms of tuberculosis numbered 226, of which 149 were attributed to tuberculosis of the respiratory system. Compared with the numbers for the previous month, deaths from all forms of tuberculosis are 30 fewer, and those from tuberculosis of the respiratory system are 39 fewer. Compared with the average for May deaths from all forms of tuberculosis are 23 fewer, and from tuberculosis of the respiratory system 25 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

MAY 1931.

Mean barometric pressure, 29·796 in. ; less than the average of 1881-1915 by 0·152 in.

Mean temperature, 50°·7 F. ; greater by 1°·0 F.

Mean daily range of temperature, 13°·7 F. ; less by 1°·3 F.

Rain, depth in inches, 4·04 ; greater by 1·61 in.

Wind, direction of : an excess of southerly to south-westerly winds.

Throughout the month, with only brief exceptions, the barometric pressure distribution over the British Isles was dominated by depressions, which tended to pursue their easterly course in lower latitudes than normal, the result being that the mean pressure was below average, and the rainfall generally above the normal. The extremes of barometric pressure at Edinburgh were 30·32 in. on 9th and 29·46 in. on 4th.

The mean temperature was above the average, but this was due to the prevalence of cloudy skies giving mild nights rather than warm days. The warmest period lay between the 27th and 29th when temperatures reached 70° F. or over in many districts ; on the 27th 75° F. was reached at Ruthwell and Kilmarnock. The lowest night temperatures were recorded during the first 10 days and again between the 18th and 23rd, ground frosts during these periods being common. In the screen 26° F. was recorded at Balmoral on the morning of the 3rd, at Dalwhinnie and Logie Coldstone on the 21st and at Braemar on the 22nd, while on the grass the temperature dropped to 18° F. at Dalwhinnie on the 3rd. The highest temperature reached at Lerwick during the month was only 58° F.

Rainfall totals were generally well above the normal, the greatest excess occurring in central Perthshire and in the Orkneys, the totals in these areas being greater locally than twice the average. More than one inch of rain fell in many places on one or more days between the 7th and 14th, and again on the 28th and 31st, those between the 7th and 14th occurring mostly in northern and western areas and those of 28th and 31st in eastern and southern areas. At Kinlochquoich 3·29 in. fell on the 11th. Snow fell very locally on the 1st, and sleet on the 1st, 4th and 30th.

Thunderstorms were reported on 22 days, these being frequently associated with heavy rain or hail. The areas in which the thunderstorms were most widespread lay generally to the south of the Caledonian Canal ; on the 5th most of eastern Scotland south of the Canal was affected, while on the 6th, 7th, 23rd and 29th the storms were confined mostly to the south of a line joining Dundee and Fort William. On the 8th south-eastern counties were affected, on the 16th the Dee and Don Valleys, and on the 17th south-western counties.

Local fog was reported on 5 days, being dense locally on the 7th and 31st ; gales were also reported on 5 days, the most widespread being those on 11th.

Sunshine aggregates were generally below normal, the exceptions being mostly confined to south-eastern areas ; at Edinburgh, where the month commenced sunny, there was an excess of more than one hour per day above the normal May figure.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 40.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, MAY 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Estimated to middle of 1931.	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		
									Males.	Females.	Total.	Out.	In.	Total Corrected.
GLASGOW, . . .	1,051,518	1,088,200	990	974	1964	1813	151	360	735	609	1344	145	48	1247
EDINBURGH, . .	420,264	428,800	325	300	625	583	42	119	247	253	500	83	17	434
DUNDEE, . . .	168,315	167,000	163	149	312	288	24	33	120	110	230	16	1	215
ABERDEEN, . .	158,963	158,900	127	133	260	231	29	64	103	99	202	32	10	180
PAISLEY, . . .	84,837	87,800	91	68	159	148	11	6	54	33	87	8	1	80
GREENOCK, . . .	81,133	82,500	90	78	168	157	11	22	36	37	73	7	2	68
MOTHERWELL AND WISHAW, .	68,869	71,700	67	47	114	108	6	5	21	15	36	0	11	47
CLYDEBANK, . .	46,601	49,800	33	51	84	79	5	5	10	10	20	2	16	34
COATBRIDGE, .	43,919	44,900	53	47	100	95	5	6	21	25	46	1	5	50
DUNFERMLINE, .	39,899	37,800	35	27	62	60	2	7	27	23	50	12	0	38
KIRKCALDY, . .	44,298	43,900	36	24	60	57	3	7	20	13	33	3	3	33
HAMILTON, . . .	39,504	40,700	35	61	96	89	7	10	13	13	26	1	2	27
KILMARNOCK, .	35,969	39,000	37	36	73	66	7	7	21	22	43	10	10	43
AYR,	35,763	37,600	36	29	65	60	5	6	22	18	40	8	2	34
FALKIRK, . . .	34,419	36,700	23	31	54	54	0	5	22	10	32	7	4	29
PERTH,	33,208	32,200	21	26	47	43	4	6	20	28	48	14	1	35
TOTAL (SIXTEEN TOWNS)	2,387,479	2,447,500	2162	2081	4243	3931	312	663	1492	1318	2810	349	133	2594

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, MAY 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	21·3	7·7	3·9	14·5	13·5	1·1	1·3	0·9	2·2	212	108
EDINBURGH, . .	17·2	6·7	3·3	13·7	11·9	0·4	0·9	0·6	1·5	31	51
DUNDEE, . . .	22·0	7·7	2·3	16·2	15·2	1·3	1·3	0·8	2·0	25	84
ABERDEEN, . .	19·3	11·2	4·7	15·0	13·3	0·3	1·0	0·6	1·6	24	88
PAISLEY, . . .	21·3	6·9	0·8	11·7	10·7	1·3	0·7	0·3	1·1	13	86
GREENOCK, . .	24·0	6·5	3·1	10·4	9·7	0·4	1·3	0·9	1·3	10	61
MOTHERWELL AND WISHAW, .	18·7	5·3	0·8	5·9	7·7	0·0	0·3	0·2	1·5	8	65
CLYDEBANK, . .	19·9	6·0	1·2	4·7	8·0	0·7	0·2	0·2	1·4	3	35
COATBRIDGE, .	26·2	5·0	1·6	12·1	13·1	0·5	1·6	0·8	2·9	8	83
DUNFERMLINE, .	19·3	3·2	2·2	15·6	11·8	1·2	0·6	0·6	1·2	5	94
KIRKCALDY, . .	16·1	5·0	1·9	8·9	8·9	0·3	0·5	0·3	1·1	1	16
HAMILTON, . . .	27·8	7·3	2·9	7·5	7·8	0·9	0·6	0·3	0·9	6	73
KILMARNOCK, .	22·0	9·6	2·1	13·0	13·0	1·2	0·6	0·6	1·8	7	113
AYR,	20·3	7·7	1·9	12·5	10·6	0·0	0·3	0·3	1·6	4	67
FALKIRK, . . .	17·3	0·0	1·6	10·3	9·3	1·0	1·3	1·0	1·9	2	34
PERTH,	17·2	8·5	2·2	17·6	12·8	0·4	0·4	0·4	1·8	3	64
TOTAL . . . (SIXTEEN TOWNS)	20·4	7·4	3·2	13·5	12·5	0·8	1·1	0·7	1·9	362	87

* Based on the average number of births registered monthly during the past 12 months.
† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR MAY 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
MAY 1931, .	20·4	7·4	3·2	12·5	0	21	11	67	17	25	19	15	87	50°·7
MAY 1930, .	22·0	6·5	3·2	14·1	0	82	7	64	22	27	21	19	91	49°·6
MAY 1929, .	21·6	7·5	3·4	13·7	1	1	4	51	22	12	30	16	94	50°·5
MAY 1928, .	22·4	6·7	3·3	14·1	1	83	5	100	15	27	6	19	95	49°·6
MAY 1927, .	22·1	6·7	4·5	13·3	1	18	6	71	12	29	12	17	85	48°·4
MAY 1926, .	22·4	5·9	4·2	14·1	0	66	17	26	21	68	2	24	81	48°·3
MAY 1925, .	23·9	6·6	3·4	12·7	1	29	11	156	23	20	4	18	90	50°·2
MAY 1924, .	24·4	6·4	3·3	14·1	0	119	24	98	29	43	10	33	94	48°·2
MAY 1923, .	25·6	6·9	4·0	14·2	2	56	12	95	15	17	2	25	93	46°·7
MAY 1922, .	27·1	6·8	5·1	16·0	3	388	12	82	16	22	7	13	111	51°·3
MAY 1921, .	30·0	6·8	6·1	13·8	0	21	11	134	33	28	4	13	91	51°·0

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—May 1931.

Term of Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	Measles - - - - -	21	13	8	6	15	-	-	-	-	-	-	-	-	-	-	-	-
5	Scarlet Fever - - - - -	11	7	4	1	5	1	2	-	2	-	-	-	-	-	-	-	-
6	Whooping-cough - - - - -	67	32	35	38	28	1	-	-	-	-	-	-	-	-	-	-	-
7	Diphtheria - - - - -	17	6	11	1	8	7	-	-	-	-	-	-	1	-	-	-	-
8	Influenza - - - - -	25	12	13	1	3	-	1	1	2	2	3	5	7	1	-	2	-
14 (1)	Cerebro-spinal Fever - - - - -	19	10	9	5	9	3	-	1	-	1	-	-	-	-	-	-	-
14 (2)	Other Epidemic Diseases* - - - - -	15	9	6	4	-	-	-	3	2	-	3	-	1	2	-	-	-
10	Tuberculosis of Respiratory System -	149	94	55	-	2	1	3	35	34	37	20	14	3	-	-	-	-
11	Other Tuberculous Diseases - - - - -	77	52	25	8	20	13	6	14	8	2	1	1	1	-	-	-	-
14 (3)	Other Infectious and Parasitic Diseases -	14	9	5	3	-	-	-	1	1	2	2	3	1	1	-	-	-
15	Cancer, Malignant Disease - - - - -	200	141	149	-	1	-	1	1	3	17	45	87	91	40	4	-	-
18	Diabetes Mellitus - - - - -	24	7	17	-	-	-	-	1	1	2	5	3	10	2	-	-	-
20	Other General Dis., Chronic Poisonings -	47	14	33	3	3	1	2	1	2	4	10	8	9	1	-	-	-
22	Cerebral Haemorrhage, &c. - - - - -	279	123	156	-	-	-	-	-	1	5	24	55	108	75	11	-	-
23	OTH. Dis. of Nervous System & Sense Org. -	91	52	39	22	8	4	2	7	5	7	15	9	10	2	-	-	-
24	Heart Disease - - - - -	352	183	169	1	1	2	3	5	12	14	31	73	120	72	18	-	-
25	Other Circulatory Diseases - - - - -	22	28	21	1	1	-	-	-	1	1	1	7	15	20	5	-	-
26	Bronchitis - - - - -	119	58	61	9	2	-	-	1	1	5	8	21	35	32	5	-	-
27	Pneumonia (all forms) - - - - -	240	150	90	62	49	8	1	11	12	20	20	25	24	6	2	-	-
28	Other Respiratory Diseases - - - - -	29	16	13	2	-	1	-	-	1	5	2	5	6	6	1	-	-
22 (1)	Gastric and Duodenal Ulcer - - - - -	21	16	6	-	-	-	-	1	1	3	10	5	1	1	-	-	-
29	Diarrhoea, &c. (all ages) - - - - -	41	27	14	32	1	-	1	-	-	1	1	-	1	1	-	-	-
30	Appendicitis - - - - -	17	8	9	-	1	1	2	4	1	1	3	2	2	-	-	-	-
31 (1)	Cirrhosis of Liver - - - - -	7	6	1	-	-	-	-	-	-	2	1	2	1	1	-	-	-
31 (2)	Other Diseases of Liver, &c. - - - - -	21	7	14	-	-	-	-	-	-	-	4	8	8	1	-	-	-
32 (2)	Other Digestive Diseases - - - - -	32	13	19	4	2	-	-	1	2	2	1	6	8	6	-	-	-
33	Acute and Chronic Nephritis - - - - -	69	32	37	-	2	1	1	2	3	7	15	19	14	5	-	-	-
34	Other Dis. of Genito-Urinary System -	34	23	11	1	-	-	-	4	-	2	2	5	6	12	2	-	-
35	Puerperal Sepsis - - - - -	7	-	7	-	-	-	-	1	4	1	1	-	-	-	-	-	-
36	Other Puerperal Causes - - - - -	10	-	10	-	-	-	-	2	3	5	-	-	-	-	-	-	-
37	Diseases of Skin and Locomotor System -	23	17	6	3	2	2	1	2	1	2	3	4	-	2	1	-	-
38	Congen. Debil., Prem. Birth, Malform., &c. -	149	81	68	148	-	-	1	-	-	-	-	-	-	-	-	-	-
39	Old Age - - - - -	78	29	49	-	-	-	-	-	-	-	-	-	9	48	21	-	-
40	Suicide - - - - -	28	22	6	-	-	-	-	3	3	3	10	8	1	-	-	-	-
42	Other Violence - - - - -	73	52	21	5	6	7	4	6	5	4	6	9	11	8	2	-	-
43	Causes ill-defined or Unknown - - - - -	45	30	15	2	1	-	-	-	-	1	2	14	18	6	1	-	-
ALL CAUSES		2594	1360	1234	362	170	53	31	108	111	158	249	401	522	354	75	-	-

* See note (+), Table III

DEATHS IN EACH TOWN (corrected for Transfers)—May 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	21	14	1	4	...	...	...	...	...
5	Scarlet Fever	11	8	...	...	...	1	...	...	...
6	Whooping-cough	67	45	2	10	1	4	...	...	...
7	Diphtheria	17	8	4	2	...	1	1	...	...
8	Influenza	25	9	6	2	1	1	...	...	...
14 (1)	Cerebro-spinal Fever	19	12	1	1	...	2	...	...	...
14 (2)	Other Epidemic Diseases*	15	6	2	...	2	1	2	...	...
10	Tuberculosis of Respiratory System ...	149	83	22	12	8	2	6	1	...
11	Other Tuberculous Diseases	77	39	12	7	6	3	3	1	...
14 (3)	Other Infectious and Parasitic Diseases	14	5	2	2	3	1	...	...	...
15	Cancer, Malignant Disease	290	148	53	28	18	7	5	2	...
18	Diabetes Mellitus	24	10	4	2	1	...	1	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	47	20	14	1	4	2	...	1	...
22	Cerebral Hæmorrhage, &c.	279	108	73	23	26	5	4	7	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.	91	42	6	10	5	4	6	1	...
24	Heart Disease	352	141	74	35	30	10	11	1	...
25	Other Circulatory Diseases	52	25	9	5	4	3	1	1	...
26	Bronchitis	119	52	29	7	10	...	5	3	...
27	Pneumonia (all forms)	240	140	22	18	11	7	3	6	...
28	Other Respiratory Diseases	29	14	4	4	1	1	1	...	...
32 (1)	Gastric and Duodenal Ulcer	22	7	3	2	5	...	...	1	...
29	Diarrhoea, &c. (all Ages)	41	26	1	3	1	2	2	2	...
30	Appendicitis	17	10	2	1	2	...	...	...	...
31 (1)	Cirrhosis of Liver	7	3	2	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	21	7	8	3	...	...	1	1	...
32 (2)	Other Digestive Diseases	32	16	4	1	2	1	1	2	...
33	Acute and Chronic Nephritis	69	30	11	7	2	1	2	2	...
34	Oth. Diseases of Genito-Urinary System	34	16	8	4	3	...	2	1	...
35	Puerperal Sepsis	7	6	...	...	...	1	...	...	...
36	Other Puerperal Causes	10	5	2	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	23	14	3	3	2	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	149	81	16	5	15	7	4	6	...
39	Old Age	78	29	11	4	6	5	4	4	...
40	Suicide	28	12	5	4	2	1	...	...	...
42	Other Violence	73	29	15	5	8	4	1	1	...
43	Causes Ill-defined or Unknown ...	45	27	3	...	1	3	1	2	...
All Causes ...		2594	1247	434	215	180	80	68	47	34
AGE AT DEATH.										
Under 1		362	212	31	25	24	13	10	8	3
1- 4		170	104	10	14	4	8	5	3	3
5- 9		53	31	4	6	4	1	...	...	1
10-14		31	16	...	2	1	1	3	...	...
15-24		108	57	12	7	8	3	5	2	1
25-34		111	52	18	8	8	3	3	3	...
35-44		158	82	31	12	8	4	3	1	2
45-54		249	121	48	17	17	9	4	3	3
55-64		401	188	72	32	30	10	8	5	11
65-74		522	220	97	58	37	13	16	14	8
75-84		354	138	89	31	30	13	11	6	2
85 and over		75	26	22	3	9	2	...	2	...
Not stated ... ..		...	...	...	...	...	...	...	...	...
All Ages ...		2594	1247	434	215	180	80	68	47	34

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—May 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	1	...	1	...
5	Scarlet Fever ... ..	...	1	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	2	1	...	1	...
7	Diphtheria ... ..	...	...	...	...	...	...	...	1
8	Influenza... ..	...	1	1	1	2	...	1	...
14 (1)	Cerebro-spinal Fever	1	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	1	1	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	3	2	1	1	2	1	3	1
11	Other Tuberculous Diseases	3	...	1	1	...	...	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	1	...
15	Cancer, Malignant Disease	3	2	5	1	4	3	1	5
18	Diabetes Mellitus ... ..	...	1	...	2	1	1	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	1	...	1	1	...	...	...	...
22	Cerebral Haemorrhage, &c.	2	4	5	4	5	5	3	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	3	1	1	4	2	1	2
24	Heart Disease	11	6	6	2	6	6	2	4
25	Other Circulatory Diseases	3	...	...	...	...	...	...	...
26	Bronchitis	2	1	2	1	1	...	2	1
27	Pneumonia (all forms)	8	2	2	2	5	4	3	4
28	Other Respiratory Diseases	1	1	...	...	...	1	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	2	...	...	...	1	1
29	Diarrhoea, &c. (all Ages)	1	1	...	...	1	...	1	...
30	Appendicitis ... ..	...	...	...	...	1	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	1	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	1	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	1	1	...	1	...	1	1
33	Acute and Chronic Nephritis	1	1	...	2	1	1	3	3
34	Oth. Diseases of Genito-Urinary System	...	...	...	...	...	...	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	1	...	1
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	2	1	3	1	3	...	2
39	Old Age	2	2	3	...	1	5	1	1
40	Suicide ... ..	...	1	...	...	1	...	1	1
42	Other Violence	4	1	1	1	2	...	...	...
43	Causes Ill-defined or Unknown ...	...	2	...	2	2	...	...	2
All Causes ...		50	38	33	27	43	34	29	35
AGE AT DEATH.									
Under 1		8	5	1	6	7	4	2	3
1-4		7	1	2	1	5	...	1	2
5-9		2	...	1	...	...	1	1	1
10-14		1	1	...	3	1	1	1	...
15-24		1	2	...	2	2	...	3	3
25-34		3	2	2	...	2	5	1	1
35-44 ... ..		...	...	2	...	6	...	4	3
45-54		5	1	7	2	3	3	4	2
55-64		3	8	5	4	8	4	6	7
65-74		11	14	7	7	3	7	2	8
75-84		6	2	5	2	5	7	3	4
85 and over		3	2	1	...	1	2	1	1
Not stated ... ..		...	...	...	...	...	...	...	...
All Ages ...		50	38	33	27	43	34	29	35

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of MAY 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER. Mean at 9 A.M. and 9 P.M.			RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS														
	feet.	inch.	Mean of	Mean of A and B (Mean Tem- perature).		Difference from Average.	Absolute Maximum and Minimum.			Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity. per cent.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.											
				Maximum (A.)	Minimum (B.)		Day of Month.	Minimum.	Day of Month.								N	NE	E	SE	S	SW	W	NW	Calm or Variable.			
GLASGOW, Professor J. R. CURRIE, M.D., The University.	139	29.634	29.787	57.6	44.9	51.3	+1.9	68	27th	35	4th	52.0	3.9	.286	inch.	4.14	+1.55	23	23	0	2	26	2	10	14	6	0	2
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.337	29.820	56.3	43.4	49.9	+1.4	67	27th	35	3rd	48.9	2.9	.276	inch.	2.77	+0.90	15	15	1	17	8	3	13	6	5	1	8
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.629	29.800	57.7	43.2	50.5	+1.1	69	29th	33	3rd	49.9	2.8	.290	inch.	3.42	+1.33	14	14	0	15	0	21	0	21	0	5	0
ABERDEEN,* The Meteorological Office.	85	29.690	29.791	54.8	43.1	48.9	+0.7	61	11, 12, 15, 25	32	21st	49.3	2.9	.280	inch.	4.59	+2.26	17	17	9	8	2	2	17	8	4	4	8
PAISLEY, The Coats Observatory.	107	29.662	29.781	59.2	44.3	51.7	+0.1	70	27th	34	3, 4	51.3	3.2	.293	inch.	4.36	+1.87	21	21	0	5	19	5	15	8	4	2	4
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.551	29.808	57.5	44.6	51.1	+1.3	70	27th	36	4th	51.0	3.7	.278	inch.	5.83	+2.38	23	23	2	9	14	2	17	6	7	4	1
PERTH,† J. RITCHIE, The Museum.	22	29.759	29.783	59.6	43.4	51.5	+1.7	72	29th	29	3rd	52.2	3.9	.286	inch.	3.20	+0.98	16	16	1	1	0	30	6	20	0	4	0
Means	170	29.608	29.796	57.5	43.8	50.7	1.0	..	..	..	..	50.7	3.3	.284	inch.	4.04	+1.61	18	18	2	8	10	9	11	12	4	3	3

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.
† At 4 A.M. and 5 P.M.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 56° 51'; Greenock, 56° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M. † At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JUNE 1931.

Published by Authority of the Registrar-General.

REPORT

The population figures for 1931 published in this Report are those ascertained by the recent Census. They show that the population of the Sixteen Large Burghs collectively amounts to 2,453,319 as compared with the estimate of 2,447,500 previously in use. For purposes of comparison the rates for the previous month have been adjusted accordingly.

During the month of June 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 4374 living children, of whom 2224 were males and 2150 were females. Compared with the number in the previous month, births of male children are 62 more, of female children 69 more, and of children of both sexes 131 more. The monthly birth-rate in these towns taken collectively was 21·7 per thousand. This rate is 1·3 more than in the previous month, and 0·2 more than the average for June.

In the individual towns the monthly birth-rate ranged from 29·6 in Greenock, 25·6 in Falkirk and 25·4 in Hamilton, to 17·1 in Perth, 17·9 in Edinburgh and 18·3 in Kirkcaldy. In Motherwell and Wishaw it was 23·7, in Kilmarnock 23·6, in Coatbridge 23·5, in Glasgow 22·9, in Dunfermline 22·3, in Ayr 21·2, in Aberdeen 20·7, in Dundee 20·4, in Paisley 20·3, and in Clydebank 19·9.

Of the 4374 living children whose births were registered during the month, 4117, or 94·1 per cent., were legitimate, while 257, or 5·9 per cent., were illegitimate. The legitimate children numbered 186 more than in the previous month, but the illegitimate children were 55 fewer. The illegitimate rate for the month is 1·5 less than in the previous month. In the individual towns the illegitimate birth-rate ranged from 10·2 in Perth and 7·5 in Dundee, to 3·1 in Greenock, 3·6 in Coatbridge and 3·8 in Hamilton. In Glasgow and in Edinburgh this rate was 6·0, and in Aberdeen 6·3.

Marriages registered in these towns during the month numbered 2344, and equalled a marriage-rate of 11·6 per thousand. This number is 1676 more than

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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in the previous month, while the rate is 8·4 more than in that month, and 1·1 above the average for June. In the individual towns the monthly marriage-rate ranged from 16·6 in Falkirk, 15·5 in Aberdeen and 15·4 in Perth, to 7·3 in Clydebank, 7·6 in Coatbridge and 7·7 in Greenock. In Glasgow this rate was 12·3, in Edinburgh 12·4, and in Dundee 8·5.

Deaths registered in these towns during the month numbered 2667, and are 143 fewer than in May. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons with usual residence in one or other of these towns, the corrected number is found to be 2467, and to include the deaths of 1303 males and 1164 females. The corrected number is 127 fewer than in the previous month, males being 57 fewer and females 70 fewer.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 12·2 per thousand, being 0·2 less than in the previous month, but the same as the average for June. In the individual towns this death-rate varied from 14·4 in Kilmarnock, 13·8 in Hamilton and 13·6 in Coatbridge, to 8·8 in Clydebank, 9·7 in Kirkcaldy and 10·1 in Perth. In Paisley it was 13·4, in Aberdeen 13·2, in Greenock 12·6, in Falkirk 12·6, in Dundee 12·5, in Glasgow 12·3, in Edinburgh 12·0, in Ayr 11·2, in Dunfermline 11·1, and in Motherwell and Wishaw 10·9.

Deaths of children of less than one year old numbered 295, and equalled an infantile mortality rate of 73 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 67 fewer than in the previous month, while the rate is 14 less than in that month, but 1 above the average for June. In the individual towns this rate ranged from 89 in Hamilton, 88 in Paisley and 87 in Glasgow, to 26 in Clydebank, 34 in Kirkcaldy and 42 in Edinburgh. In Motherwell and Wishaw it was 76, in Dunfermline 75, in Dundee 69, in Ayr 68, in Falkirk 68, in Kilmarnock 66, in Coatbridge 65, in Aberdeen 64, in Perth 64, and in Greenock 57.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 129, and equalled a death-rate from these causes of 0·6 per thousand. They number 45 fewer than in the previous month, and included none from typhoid fever, 30 from measles, 7 from scarlet fever, 39 from whooping-cough, 13 from diphtheria, 10 from influenza, 14 from cerebro-spinal fever, and 16 from other epidemic diseases, of which 7 were ascribed to erysipelas, 6 to lethargic encephalitis, 2 to dysentery, and 1 to acute poliomyelitis. Compared with the numbers for the previous month, deaths from measles are 9 more and from other epidemic diseases 1 more, but those from scarlet fever are 4 fewer, from diphtheria 4 fewer, from cerebro-spinal fever 5 fewer, from influenza 15 fewer and from whooping-cough 28 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 302, and equalled a death-rate of 1·5 per thousand. Compared with the number for the previous month they are 86 fewer, while the rate is 0·4 less than in that month, and 0·2 less than the average for June.

Deaths from all forms of tuberculosis numbered 205, of which 135 were attributed to tuberculosis of the respiratory system. Compared with the number for the previous month, deaths from all forms of tuberculosis are 21 fewer, and from tuberculosis of the respiratory system 14 fewer. Compared with the average for June deaths from all forms of tuberculosis are 24 fewer, and from tuberculosis of the respiratory system 24 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JUNE 1931.

Mean barometric pressure, 29·923 in.; less than the average of 1881-1915 by 0·046 in.

Mean temperature, 53°·4 F.; less by 1°·9 F.

Mean daily range of temperature, 11°·2 F.; less by 4°·2 F.

Rain, depth in inches, 4·67; greater by 2·43 in.

Wind, direction of: a four days' excess of north-easterly to south-easterly winds.

The unsettled weather during May persisted throughout the first three weeks of June; during this period depressions and secondaries continued to move across the British Isles giving rise to frequent and heavy rain. About the 20th barometric pressure rose generally and anticyclonic conditions prevailed until the end of the month. The extremes of barometric pressure at Edinburgh were 30·40 in. on 25th and 29·43 in. on 14th.

With the prevalence of cold easterly winds and the absence of any really warm spells the mean temperature was below normal; the difference from normal was not excessive, but this was due to the mean night temperatures being slightly above the average. Locally on the 4th, 13th, 17th and from 25th to 28th the maximum exceeded 70° F.; 73° F. was recorded at Strathpeffer on 25th, and at Arbroath and Montrose on 27th. The grass temperature on morning of 25th fell to 28° F. at Balmoral.

With the exception of perhaps small areas in Aberdeenshire the rainfall in June was everywhere well above the average, it being the wettest June on record at many places; the wettest areas were the southern, midland and south-eastern counties, rainfall totals frequently reaching from 2 to 3 times the average June figure. During the first three weeks rain fell on most days in most districts, and the driest period was centred around the 24th. In the extreme north and in the Orkneys and Shetlands the first 9 days were mainly dry and fine. On the 14th and 15th rainfall totals over a wide area were, practically over the whole of Scotland south of the Central Highlands, very large, falls of over 1 inch, locally over 2 inches, being recorded on one or other of these days; these resulted in much flooding and structural damage. Heavy falls, frequently associated with thunderstorms, occurred locally on other days, but they were not so widespread and general.

Thunderstorms were reported daily between the 6th and 18th, with the exception of the 8th, the areas most affected being eastern and southern counties. On the 2nd, 6th, 7th and 20th fresh falls of snow were noted locally on the higher Grampian hills, while hail fell locally during thunderstorms, particularly those storms of 17th and 18th.

Local fog was reported on 10 days, gales on 4 days, and earthquake tremors on 6th and 7th.

June, with such unsettled weather conditions prevailing, was deficient in sunshine in all districts. With the exception of extreme northern districts the sun was practically absent in most areas during the first 9 days. The 24th and 25th were very sunny; on the 25th Kirkwall had 16·4 hours sunshine. Aberdeen 16·3 hours, Gordon Castle and Lerwick 16 hours. At Dumfries, Marchmont and Paisley it was the most sunless June since 1912, and at Edinburgh since 1916.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 48.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JUNE 1931.

TOWNS.	POPULATION		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS		Total Corrected.		
								Males.		Females.	Total.	Out.		In.	
GLASGOW, . . .	1,051,527	1,088,417	1050	1003	2053	1929	124	1101	644	548	1192	134	40	1098	
EDINBURGH, . .	420,264	438,998	334	312	646	607	39	446	261	247	508	93	18	433	
DUNDEE, . . .	168,315	175,583	151	144	295	273	22	123	101	91	192	15	4	181	
ABERDEEN, . . .	158,963	167,259	139	146	285	267	18	213	115	90	205	33	10	182	
PAISLEY, . . .	84,837	86,441	74	70	144	135	9	66	59	40	99	7	3	95	
GREENOCK, . . .	81,133	78,948	95	97	192	186	6	50	37	44	81	5	6	82	
MOTHERWELL AND WISHAW, . .	68,869	64,703	68	58	126	118	8	43	25	26	51	0	7	58	
CLYDEBANK, . .	46,601	46,963	41	36	77	73	4	28	9	11	20	0	14	34	
COATBRIDGE, . .	43,919	43,056	38	45	83	80	3	27	22	18	40	1	9	48	
DUNFERMLINE, . .	39,899	34,954	35	29	64	60	4	29	18	16	34	4	2	32	
KIRKCALDY, . .	44,298	43,874	31	35	66	63	3	42	13	18	31	1	5	35	
HAMILTON, . . .	39,504	37,863	38	41	79	76	3	30	21	14	35	3	11	43	
KILMARNOCK, . .	35,969	38,099	44	30	74	71	3	25	24	21	45	4	4	45	
AYR,	35,763	36,784	29	35	64	61	3	27	23	22	45	13	2	34	
FALKIRK, . . .	34,419	36,565	34	43	77	74	3	50	23	20	43	7	2	38	
PERTH,	33,208	34,807	23	26	49	44	5	44	22	24	46	17	0	29	
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	2224	2150	4374	4117	257	2344	1417	1250	2667	337	137	2467	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JUNE 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM							DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.	
				Regis- tered.	Corr. for Trans- fers.							
GLASGOW, . .	22·9	6·0	12 3	13·3	12·3	0·9	1·0	0·6	1·5	166	87	
EDINBURGH, .	17·9	6 0	12·4	14·1	12·0	0·3	1·2	0·7	1·2	25	42	
DUNDEE, . . .	20·4	7·5	8·5	13·3	12·5	1·0	0 8	0·6	1·7	20	69	
ABERDEEN, . .	20·7	6·3	15·5	14·9	13·2	0·6	1·2	1·1	1·4	17	64	
PAISLEY, . . .	20·3	6·3	9·3	13·9	13·4	0·6	0·6	0·0	2·0	13	88	
GREENOCK, . .	29·6	3·1	7·7	12·5	12·6	0·0	1·4	1·1	1·5	9	57	
MOTHERWELL AND WISHAW,	23·7	6·3	8·1	9·6	10 9	0·0	0·8	0·6	0·9	9	76	
CLYDEBANK, . .	19·9	5·2	7·3	5·2	8·8	0·3	1·8	1·6	0·8	2	26	
COATBRIDGE, .	23·5	3·6	7·6	11·3	13·6	0 8	1·4	0·3	2·0	6	65	
DUNFERMLINE,	22·3	6·3	10·1	11 8	11·1	0·0	1·4	0·7	1·0	4	75	
KIRKCALDY, . .	18·3	4·5	11·6	8·6	9·7	0·6	0·3	0·3	0·6	2	34	
HAMILTON, . .	25·4	3·8	9·6	11·2	13·8	0·3	1·0	0·3	2·9	7	89	
KILMARNOCK,	23·6	4·1	8·0	14·4	14·4	1·3	1·9	1·3	2·6	4	66	
AYR,	21·2	4·7	8·9	14·9	11·2	0·0	0·7	0·0	1·7	4	63	
FALKIRK, . . .	25 6	3·9	16 6	14·3	12·6	0·0	0·7	0·3	2·7	4	68	
PERTH,	17·1	10·2	15·4	16·1	10·1	0·0	0·7	0·7	1·0	3	64	
TOTAL . . . (SIXTEEN TOWNS)	21·7	5·9	11·6	13·2	12·2	0·6	1·0	0·7	1·5	295	73	

* Based on the average number of births registered monthly during the past 12 months.

† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JUNE 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature. Seven Towns only.
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JUNE 1931.	21·7	5·9	11·6	12·2	0	30	7	39	13	10	14	16	73	53°·4
JUNE 1930.	20·7	6·7	11·2	12·2	0	50	4	41	13	17	8	13	69	57°·1
JUNE 1929.	20·3	7·9	10·2	11·6	2	2	3	36	15	8	16	11	67	54°·4
JUNE 1928.	22·1	6·9	10·3	12·9	0	35	5	55	14	16	10	15	84	51°·8
JUNE 1927.	21·5	6·1	10·9	12·4	2	32	7	54	14	30	8	13	71	51°·6
JUNE 1926.	23·1	6·2	9·8	11·8	1	29	16	25	17	17	6	10	70	55°·3
JUNE 1925.	25·5	6·7	11·2	12·6	0	9	28	116	23	17	6	14	79	57°·4
JUNE 1924.	24·3	6·1	11·4	12·8	0	36	19	71	21	28	11	28	78	54°·2
JUNE 1923.	24·8	6·1	11·7	12·8	1	52	17	45	19	16	2	17	80	54°·0
JUNE 1922.	26·6	7·1	11·6	12·8	2	121	4	48	15	8	4	20	75	54°·3
JUNE 1921.	29·5	7·5	13·0	12·6	4	5	9	96	15	12	5	11	76	56°·5

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—June 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.	
1	Typhoid Fever (including Paratyphoid) -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4	Measles - - - - -	30	17	13	7	23	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever - - - - -	7	4	3	-	4	2	-	1	-	-	-	-	-	-	-	
6	Whooping-cough - - - - -	39	21	18	19	19	1	-	-	-	-	-	-	-	-	-	
7	Diphtheria - - - - -	13	7	6	2	5	4	1	1	-	-	-	-	-	-	-	
8	Influenza - - - - -	10	2	8	-	1	-	-	-	-	1	1	1	1	5	-	
14 (1)	Cerebro-spinal Fever - - - - -	14	7	7	5	3	1	-	1	-	2	-	1	1	-	-	
14 (2)	Other Epidemic Diseases* - - - - -	16	10	6	2	2	-	-	1	2	1	1	2	1	4	-	
10	Tuberculosis of Respiratory System -	135	69	66	3	3	1	3	33	26	31	19	14	2	-	-	
11	Other Tuberculous Diseases - - - - -	70	39	31	9	21	9	6	13	3	2	2	3	2	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	8	5	3	2	1	-	-	1	-	2	-	2	-	-	-	
15	Cancer, Malignant Disease - - - - -	318	164	154	-	-	-	-	2	6	19	45	111	86	44	5	
18	Diabetes Mellitus - - - - -	23	8	15	-	-	-	-	-	1	2	2	7	6	5	-	
20	Other General Dis., Chronic Poisonings -	50	22	28	1	3	1	4	3	4	7	8	12	4	3	-	
22	Cerebral Hæmorrhage, &c. - - - - -	269	121	148	1	2	-	-	-	1	5	15	62	99	76	8	
23	Oth. Dis. of Nervous System & Sense Org.	78	46	32	16	9	2	2	10	6	10	8	9	3	3	-	
24	Heart Disease - - - - -	368	185	183	-	-	3	1	7	8	19	36	85	107	86	16	
25	Other Circulatory Diseases - - - - -	39	21	18	-	-	-	1	-	2	1	2	4	10	17	2	
26	Bronchitis - - - - -	84	50	34	5	4	-	-	2	-	5	7	12	24	21	4	
27	Pneumonia (all forms) - - - - -	176	115	61	34	29	5	1	7	5	15	14	27	21	12	6	
28	Other Respiratory Diseases - - - - -	42	18	24	2	4	-	-	2	1	3	7	5	7	7	4	
32 (1)	Gastric and Duodenal Ulcer - - - - -	25	20	5	-	-	-	-	1	6	1	9	6	2	-	-	
29	Diarrhœa, &c. (all ages) - - - - -	51	27	24	40	2	1	-	2	1	-	1	1	3	-	-	
30	Appendicitis - - - - -	26	13	13	-	1	1	3	3	3	1	4	6	4	-	-	
31 (1)	Cirrhosis of Liver - - - - -	9	7	2	-	-	-	-	-	-	-	3	2	4	-	-	
31 (2)	Other Diseases of Liver, &c. - - - - -	19	6	13	-	-	-	-	1	1	2	3	4	4	2	2	
32 (2)	Other Digestive Diseases - - - - -	40	19	21	6	1	1	-	2	3	2	5	3	9	6	2	
33	Acute and Chronic Nephritis - - - - -	68	34	34	1	1	-	-	4	5	5	13	18	12	8	1	
34	Other Dis. of Genito-Urinary System -	35	27	8	1	-	-	-	1	-	4	6	3	4	14	2	
35	Puerperal Sepsis - - - - -	9	-	9	-	-	-	-	3	2	4	-	-	-	-	-	
36	Other Puerperal Causes - - - - -	13	-	13	-	-	-	-	3	9	1	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	13	7	6	1	-	-	1	4	-	-	2	2	2	1	-	
38	Congen. Debil., Prem. Birth, Malform., &c.	136	81	55	133	2	-	-	1	-	-	-	-	-	-	-	
39	Old Age - - - - -	79	29	50	-	-	-	-	-	-	-	-	-	14	41	24	
40	Suicide - - - - -	29	18	11	-	-	-	-	2	3	5	8	9	1	1	-	
42	Other Violence - - - - -	94	67	27	5	8	16	5	6	11	4	8	13	10	8	-	
43	Causes Ill-defined or Unknown - - - - -	32	17	15	-	2	-	-	1	-	2	5	10	10	2	-	
ALL CAUSES -		2467	1303	1164	295	159	48	28	118	109	156	234	434	453	366	76	

* See note (+), Table III

DEATHS IN EACH TOWN (corrected for Transfers)—June 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles ...	30	26	...	4	...	...	...	...	...
5	Scarlet Fever ...	7	5	1	...	1	...	...	...	...
6	Whooping-cough ...	39	23	1	7	3	2	...	...	...
7	Diphtheria ...	13	8	1	1	...	...	...	...	...
8	Influenza ...	10	4	3	1	...	...	...	...	...
14 (1)	Cerebro-spinal Fever ...	14	9	2	...	1	1	...	...	...
14 (2)	Other Epidemic Diseases*	16	7	2	1	3	1	...	...	...
10	Tuberculosis of Respiratory System ...	135	56	27	9	15	...	7	3	6
11	Other Tuberculous Diseases ...	70	31	15	2	1	4	2	1	1
14 (3)	Other Infectious and Parasitic Diseases	8	5	1	...	...	1	...	1	...
15	Cancer, Malignant Disease ...	318	140	54	24	25	11	11	6	5
18	Diabetes Mellitus ...	23	12	2	...	3	1	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	50	20	12	3	5	1	...	1	...
22	Cerebral Hæmorrhage, &c. ...	269	128	43	19	21	4	7	4	5
23	Oth. Dis. of Nerv. Syst. and Sense Org.	78	34	18	5	1	7	3	2	1
24	Heart Disease ...	368	130	85	29	26	20	17	13	5
25	Other Circulatory Diseases ...	39	13	11	2	6	1	1	...	...
26	Bronchitis ...	84	36	15	5	2	6	6	...	1
27	Pneumonia (all forms) ...	176	86	21	17	16	6	3	3	1
28	Other Respiratory Diseases ...	42	15	8	3	1	2	1	2	1
32 (1)	Gastric and Duodenal Ulcer ...	25	14	6	...	1	2	...	1	...
29	Diarrhoea, &c. (all Ages) ...	51	40	3	2	2	...	1	1	...
30	Appendicitis ...	26	6	5	3	1	2	1	1	...
31 (1)	Cirrhosis of Liver ...	9	5	1	2	...	...	...	1	...
31 (2)	Other Diseases of Liver, &c. ...	19	9	4	1	1	1	...	...	1
32 (2)	Other Digestive Diseases ...	40	16	7	6	5	1	...	2	...
33	Acute and Chronic Nephritis ...	68	19	16	4	9	4	4	2	1
34	Oth. Diseases of Genito-Urinary System	35	20	6	1	2	2	2	...	...
35	Puerperal Sepsis ...	9	...	1	1	2	1	1	1	...
36	Other Puerperal Causes ...	13	4	4	2	...	1	1	...	...
37	Dis. of Skin, and of Locomotor System	13	5	1	2	1	1	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c. ...	136	66	11	10	9	5	5	6	...
39	Old Age ...	79	36	14	7	6	2	3	...	1
40	Suicide ...	29	9	10	3	...	...	1	...	1
42	Other Violence ...	94	40	21	3	12	4	4	3	2
43	Causes Ill-defined or Unknown ...	32	21	1	2	1	1	...	3	1
	All Causes ...	2467	1098	433	181	182	95	82	58	34
	AGE AT DEATH.									
	Under 1 ...	295	166	25	20	17	13	9	9	2
	1-4 ...	150	80	16	18	8	4	3	2	4
	5-9 ...	48	22	9	6	2	2	...	2	...
	10-14 ...	28	8	7	1	3	2	1	...	...
	15-24 ...	118	57	16	9	10	2	5	3	4
	25-34 ...	109	44	19	7	10	6	3	4	2
	35-44 ...	156	74	33	5	13	3	9	1	2
	45-54 ...	234	106	53	16	12	11	10	6	3
	55-64 ...	434	194	86	27	22	12	16	13	7
	65-74 ...	453	180	81	35	44	19	13	11	3
	75-84 ...	366	138	70	32	32	17	12	7	5
	85 and over ...	76	29	18	5	9	4	1	...	2
	Not stated ...	...	...	...	...	...	...	...	...	...
	All Ages ...	2467	1098	433	181	182	95	82	58	34

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—June 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough	1	...	...	...	2	...	...	...
7	Diphtheria	2	...	...	...	1	...	...	...
8	Influenza... ..	...	...	1	...	1	...	...	...
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	1	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	1	2	1	1	4	...	1	2
11	Other Tuberculous Diseases	4	2	...	2	2	2	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	7	6	8	5	5	4	3	4
18	Diabetes Mellitus ... ..	...	1	1	1	...	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	2	...	3	1	...	2	...	...
22	Cerebral Hæmorrhage, &c.	7	2	9	2	8	3	4	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	...	1	1	1	2	1	...
24	Heart Disease	5	6	2	3	5	6	6	10
25	Other Circulatory Diseases	2	1	...	...	...	...	1	1
26	Bronchitis	2	1	1	3	4	2	...	...
27	Pneumonia (all forms)	4	1	...	5	4	3	5	1
28	Other Respiratory Diseases	1	1	1	1	...	...	3	2
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	1	...	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	...	1	1	...	...
30	Appendicitis	2	1	...	2	1	...	...	1
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	1	1	...
32 (2)	Other Digestive Diseases	1	...	...	...	1	...	1	...
33	Acute and Chronic Nephritis	1	2	1	2	1	2	...	...
34	Oth. Diseases of Genito-Urinary System	...	...	...	2	...	...	...	...
35	Puerperal Sepsis	1	...	...	1	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	2	...
38	Congenital Debility, Premature Birth, Malformations, &c.	4	4	2	6	1	2	2	3
39	Old Age ... ..	...	...	3	...	2	2	2	1
40	Suicide ... ..	...	...	...	...	1	2	1	1
42	Other Violence ... ..	...	1	...	3	...	...	1	...
43	Causes Ill-defined or Unknown ...	...	1	...	...	...	...	1	...
All Causes ...		48	32	35	43	45	34	38	29
AGE AT DEATH.									
Under 1		6	4	2	7	4	4	4	3
1-4		5	2	...	2	4	1	1	...
5-9		2	...	...	2	...	...	1	...
10-14		2	...	...	1	1	1	...	1
15-24		2	2	2	...	1	1	4	...
25-34		2	2	...	2	2	4	1	1
35-44		3	2	...	2	5	1	...	3
45-54		1	3	...	3	4	2	3	1
55-64		7	5	9	8	6	7	9	6
65-74		11	7	9	10	11	6	7	6
75-84		7	5	11	5	7	6	5	7
85 and over ... ..		...	...	2	1	...	1	3	1
Not stated ... ..		...	...	...	...	...	...	...	...
All Ages ...		48	32	35	43	45	34	38	29

* See note (+), Table III.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

JULY 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of July 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 4,235 living children, of whom 2,107 were males and 2,128 were females. Compared with the number in the previous month, births of male children are 117 fewer and those of female children 22 fewer, and those of children of both sexes 139 fewer. The monthly birth-rate in these towns taken collectively was 20·3 per thousand. This rate is 1·4 less than in the previous month, and 0·4 less than the July average.

In the individual towns the monthly birth-rate ranged from 29·8 in Coatbridge, 25·2 in Greenock, 24·3 in Hamilton and 24·1 in Clydebank, to 15·3 in Kirkcaldy, 16·5 in Dunfermline, 17·1 in Edinburgh and 17·3 in Ayr. In Motherwell and Wishaw it was 22·4, in Falkirk 21·9, in Glasgow and in Paisley 21·1, in Perth 20·3, in Aberdeen 20·0, in Dundee 18·9 and in Kilmarnock 18·5.

Of the 4,235 living children whose births were registered during the month, 3,977, or 93·1 per cent., were legitimate, while 258, or 6·1 per cent., were illegitimate. The legitimate children numbered 140 fewer than in the previous month, but the illegitimate children numbered 1 more. The illegitimate rate for the month is 0·2 more than in the previous month. In the individual towns the illegitimate birth-rate ranged from 10·0 in Kilmarnock, 8·9 in Dundee, 8·3 in Perth, and 8·1 in Motherwell and Wishaw, to 0·0 in Falkirk and 1·9 in Ayr. In Glasgow this rate was 6·1, in Edinburgh 5·3 and in Aberdeen 6·7.

Marriages registered during the month numbered 2,559 and equalled a marriage-rate of 12·3 per thousand. This number is 215 more than in the previous month. The marriage-rate is 0·7 more than in the previous month, but 0·3 below the July average. In the individual towns the marriage-rate ranged from 14·3 in Dundee, 13·4 in Hamilton, 13·0 in Edinburgh, 12·9 in Glasgow, 12·7 in Aberdeen and 12·5 in Perth, to 7·3 in Clydebank, 7·6 in Greenock, 8·0 in Kilmarnock, and 8·4 in Motherwell and Wishaw and in Falkirk.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Deaths registered in these towns during the month numbered 2,443, and are 224 fewer than in June. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,269, and to include the deaths of 1,096 males and of 1,173 females. The corrected number is 198 less than in the previous month, males being 207 fewer but females 9 more.

The monthly death-rate in these towns taken collectively and based on the corrected number of deaths was 10·9 per thousand, being 1·3 less than that for June and 0·6 below the July average. In the individual towns this death-rate ranged from 15·2 in Perth, 12·7 in Kilmarnock, 11·7 in Aberdeen, 11·5 in Kirkcaldy and 11·0 in Glasgow, to 8·1 in Hamilton, 9·0 in Ayr, 9·6 in Coatbridge and 9·9 in Paisley. In Greenock it was 10·9, in Edinburgh, in Dundee and in Dunfermline 10·8, in Falkirk 10·6, in Motherwell and Wishaw 10·4, and in Clydebank 10·0.

Deaths of children of less than one year old numbered 289, and equalled an infantile mortality rate of 69 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 6 fewer than in the previous month. The infantile mortality rate is 4 less than in the previous month, but is 3 more than the July average. In the individual towns this rate ranged from 111 in Falkirk, 100 in Perth, 85 in Clydebank and 82 in Coatbridge, to 32 in Kilmarnock, 48 in Greenock, and 49 in Hamilton and in Ayr. In Aberdeen this rate was 77, in Glasgow 76, in Dunfermline 75, in Dundee 60, in Motherwell and Wishaw 59, in Edinburgh 57, in Paisley 52 and in Kirkcaldy 50.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 122, and equalled a death-rate from these causes of 0·6 per thousand. They number 7 fewer than in the previous month, and included none from enteric fever, 34 from measles, 3 from scarlet fever, 34 from whooping-cough, 14 from diphtheria, 6 from influenza, 17 from cerebro-spinal fever, and 14 from other epidemic diseases, of which 6 were ascribed to erysipelas, 6 to lethargic encephalitis and 2 to dysentery. Compared with the numbers for the previous month, deaths from measles are 4 more, from cerebro-spinal fever 3 more and from diphtheria 1 more, but those from dysentery and from lethargic encephalitis each number the same, those from erysipelas are 1 fewer, from scarlet fever and from influenza each 4 fewer, and from whooping-cough 5 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 226, and equalled a death-rate of 1·1 per thousand. Compared with the number for the previous month they are 76 fewer, while the rate is 0·4 less than in that month, and 0·3 below the July average.

Deaths from all forms of tuberculosis numbered 205, of which 144 were attributed to tuberculosis of the respiratory system. Compared with the number for the previous month, deaths from all forms of tuberculosis number the same, and those from tuberculosis of the respiratory system are 9 more. Compared with the July average deaths from all forms of tuberculosis are 6 fewer, and those from tuberculosis of the respiratory system are 7 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

JULY 1931.

Mean barometric pressure, 29·669 in.; less than the average of 1881-1915 by 0·231 in.

Mean temperature, 58°·0 F.; greater by 0°·1 F.

Mean daily range of temperature, 10°·8 F.; less by 3°·5 F.

Rain, depth in inches, 3·87; greater by 0·88 in.

Wind, direction of: a four days' excess of south-westerly winds.

As in the preceding month of June, the weather conditions experienced in Scotland throughout July were again of a very unsettled type, being characterised by persistent rainfall, frequent thunder, and a remarkable lack of sunshine. With a continual chain of low pressure systems moving over our Isles, barometric pressure remained well below normal throughout almost the entire month, and the average level of the barometer was the lowest for July since 1861. At Edinburgh, at mean sea level, the extremes were 30·05 in. on 21st, and 29·44 in. on 26th, the former reading being the lowest maximum pressure for July since 1879.

The mean temperature was just slightly above the normal, this being due to the prevalence of cloudy skies giving mild nights and not to the presence of any prolonged spell of high day temperatures. The warmest day of the month was the 9th, when some fairly high temperatures were recorded in Eastern and Central Scotland, the most noteworthy being 79° F. at Stirling and Perth, 78° F. at Cupar, Leuchars and Crieff, and 77° F. at Strathpeffer, these being amongst the highest extremes registered in Scotland during the month. In the west, the maximum temperatures were considerably lower, and at Dungavel and Troon the warmest day was the 15th with the moderate temperature of 65° F. Night temperatures were almost continuously above the average, but around 6th, 20th and 21st there were brief cold snaps. At Balmoral and Logie Coldstone on the morning of 21st, temperatures as low as 39° F. and 41° F. respectively were registered, whilst 42° F. was reported from Dalwhinnie on 20th and from West Linton on both 6th and 20th.

With the exception of small localized areas over the Borders, South-western Scotland and the Isle of Lewis, rainfall aggregates were considerably above normal, the excess being very marked over Central Perthshire and the East Neuk of Fife, where the total precipitation exceeded 200 per cent. of the normal. The rainfall was of a most persistent nature and at several places there was only one dry day in all the month. The wettest periods were around 5th, 15th, 21st and 22nd, and 26th and 27th, when heavy falls mostly of thunderstorm origin were reported over widespread areas. In the south a fall of 1·67 in. occurred at Lochmaben on 6th, and at Cluny Castle, on 15th, over one inch fell in less than two hours. Other heavy falls were 1·71 in. at Ardgour on 22nd, 1·58 in. at Kingsbarns and 1·69 in. at Carnoustie on 26th.

Thunder was of very frequent occurrence, being reported from some place or other on as many as fourteen different days, and was again chiefly confined to the area lying south of the Caledonian Canal. The most widespread storms were those of 6th, 7th, 9th, 14th and 15th, which were particularly severe over Central Scotland.

Sunshine aggregates were everywhere well below the average, and at Aberdeen and Edinburgh it was the most sunless July since at least 1881 and 1901 respectively.

Aurora was observed at Gordon Castle on 3rd.

NOTE. —The mean values refer to those of the Principal Towns named in meteorological Table on p. 56.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, JULY 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,051,527	1,088,417	977	978	1955	1836	119	1197	540	526	1066	122	69	1013
EDINBURGH, . .	420,264	438,998	318	318	636	602	34	483	236	235	471	82	14	403
DUNDEE, . . .	168,315	175,583	128	154	282	257	25	214	75	99	174	15	2	161
ABERDEEN, . .	158,963	167,259	149	135	284	265	19	181	91	94	185	31	12	166
PAISLEY, . . .	84,837	86,441	65	90	155	146	9	88	39	36	75	4	2	73
GREENOCK, . .	81,133	73,948	82	87	169	160	9	51	48	28	76	5	2	73
MOTHERWELL AND WISHAW, .	68,869	64,708	63	60	123	113	10	46	25	21	46	0	11	57
CLYDEBANK, . .	43,601	46,963	49	47	96	91	5	29	10	16	26	1	15	40
COATBRIDGE, . .	43,919	43,056	52	57	109	105	4	35	17	17	34	1	2	35
DUNFERMLINE, .	39,899	34,954	20	29	49	47	2	32	21	21	42	11	1	32
KIRKCALDY, . .	44,298	43,874	34	23	57	53	4	44	24	20	44	6	5	43
HAMILTON, . . .	39,504	37,863	47	31	78	72	6	43	8	11	19	1	8	26
KILMARNOCK, .	35,969	38,099	28	32	60	54	6	26	20	26	46	7	2	41
AYR,	35,763	36,784	31	23	54	53	1	27	23	20	43	18	3	28
FALKIRK, . . .	34,419	36,565	30	38	68	68	0	26	22	15	37	6	2	33
PERTH,	33,208	34,807	34	26	60	55	5	37	24	35	59	14	0	45
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	2107	2128	4235	3977	258	2559	1223	1220	2443	324	150	2269

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, JULY 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	21·1	6·1	12·9	11·5	11·0	0·9	1·1	0·8	1·1	149	76
EDINBURGH, . .	17·1	5·3	13·0	12·6	10·8	0·2	0·9	0·8	1·2	35	57
DUNDEE, . . .	18·9	8·9	14·3	11·7	10·8	0·6	0·5	0·3	1·3	18	60
ABERDEEN, . .	20·0	6·7	12·7	13·0	11·7	0·6	0·9	0·5	0·6	21	77
PAISLEY, . . .	21·1	5·8	12·0	10·2	9·9	0·5	0·8	0·1	0·3	8	52
GREENOCK, . .	25·2	5·3	7·6	11·3	10·9	0·4	0·7	0·6	1·5	8	48
MOTHERWELL AND WISHAW, .	22·4	8·1	8·4	8·4	10·4	0·2	1·5	1·1	2·0	7	59
CLYDEBANK, . .	24·1	5·2	7·3	6·5	10·0	0·3	1·0	0·8	1·0	7	85
COATBRIDGE, . .	29·8	3·7	9·6	9·3	9·6	0·5	0·8	0·5	1·1	8	82
DUNFERMLINE, .	16·5	4·1	10·8	14·1	10·8	0·7	1·0	0·7	0·0	4	75
KIRKCALDY, . .	15·3	7·0	11·8	11·8	11·5	0·0	0·5	0·3	1·1	3	50
HAMILTON, . . .	24·3	7·7	13·4	5·9	8·1	0·0	0·3	0·3	0·9	4	49
KILMARNOCK, .	18·5	10·0	8·0	14·2	12·7	1·2	0·9	0·3	1·9	2	32
AYR,	17·3	1·9	8·6	13·8	9·0	0·3	1·3	1·0	1·0	3	49
FALKIRK, . . .	21·9	0·0	8·4	11·9	10·6	0·3	1·9	1·0	0·3	7	111
PERTH,	20·3	8·3	12·5	20·0	15·2	0·0	0·3	0·3	1·7	5	100
TOTAL . . . (SIXTEEN TOWNS)	20·3	6·1	12·3	11·7	10·9	0·6	1·0	0·7	1·1	289	69

* Based on the average number of births registered monthly during the past 12 months.
† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR JULY 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JULY 1931. .	20·3	6·1	12·3	10·9	0	34	3	34	14	6	17	14	69	58°·0
JULY 1930. .	19·9	6·6	12·3	11·5	0	25	5	30	14	11	12	15	55	58°·3
JULY 1929. .	20·7	6·4	14·0	11·7	0	8	3	32	15	3	18	18	68	58°·3
JULY 1928. .	20·7	6·8	13·1	11·4	1	15	4	48	16	8	7	13	71	57°·3
JULY 1927. .	20·1	6·3	11·9	11·5	0	46	5	44	15	15	7	12	71	59°·4
JULY 1926. .	22·2	6·4	11·6	11·2	1	14	15	26	10	15	5	16	65	60°·4
JULY 1925. .	23·4	6·6	12·2	11·4	3	12	19	69	10	11	6	9	78	60°·2
JULY 1924. .	22·8	6·5	12·4	11·7	1	25	15	52	21	17	5	26	65	57°·4
JULY 1923. .	24·2	7·3	13·7	11·3	2	30	12	35	15	7	6	15	65	59°·8
JULY 1922. .	25·2	6·6	12·7	11·4	1	63	6	39	18	5	6	15	62	55°·2
JULY 1921. .	26·0	7·3	12·6	11·2	5	6	16	52	17	7	11	12	70	60°·5

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—July 1931.

CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
				-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
Typhoid Fever (including Paratyphoid)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	34	14	20	6	26	2	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	3	2	1	-	2	-	1	-	-	-	-	-	-	-	-	-
Whooping-cough	34	18	16	16	18	-	-	-	-	-	-	-	-	-	-	-
Diphtheria	14	7	7	2	4	4	1	3	-	-	-	-	-	-	-	-
Influenza	6	5	1	-	-	-	-	1	-	1	2	-	2	-	-	-
(1) Cerebro-spinal Fever	17	7	10	8	4	2	1	1	-	-	-	-	1	-	-	-
(2) Other Epidemic Diseases*	14	6	8	3	1	-	-	2	2	3	1	1	-	1	-	-
Tuberculosis of Respiratory System	144	59	85	1	4	6	2	41	44	21	9	13	2	1	-	-
Other Tuberculous Diseases	61	32	29	7	14	5	7	12	11	2	1	2	-	-	-	-
(3) Other Infectious and Parasitic Diseases	9	3	6	-	1	-	-	1	3	1	-	2	1	-	-	-
Cancer, Malignant Disease	288	132	156	-	-	-	-	3	4	10	46	93	92	37	3	-
Diabetes Mellitus	37	5	32	-	-	-	-	-	2	3	3	12	12	4	1	-
Other General Dis., Chronic Poisonings	50	18	32	1	2	2	3	3	9	5	6	7	8	4	-	-
Cerebral Hæmorrhage, &c.	226	94	132	-	-	-	-	-	2	1	22	54	69	70	8	-
Orth. Dis. of Nervous System & Sense Org.	70	40	30	15	5	2	2	2	5	8	15	5	6	5	-	-
Heart Disease	355	170	185	-	-	-	2	5	13	19	41	74	109	78	14	-
Other Circulatory Diseases	53	27	26	1	-	-	-	-	-	1	1	6	21	15	8	-
Bronchitis	73	43	30	4	1	-	-	1	1	1	4	14	19	21	7	-
Pneumonia (all forms)	130	75	55	33	29	5	1	5	5	9	10	13	15	4	1	-
Other Respiratory Diseases	23	13	10	-	4	-	-	2	1	1	2	3	6	3	1	-
(1) Gastric and Duodenal Ulcer	18	16	2	-	-	-	-	-	1	4	2	9	2	-	-	-
(2) Diarrhoea, &c. (all ages)	42	22	20	28	5	2	1	-	-	1	-	1	1	1	2	-
Appendicitis	16	7	9	-	-	-	-	1	4	1	3	3	3	1	-	-
(1) Cirrhosis of Liver	2	2	-	-	-	-	-	-	-	-	1	-	1	-	-	-
(2) Other Diseases of Liver, &c.	19	8	11	-	-	-	-	-	-	2	7	4	3	2	1	-
(2) Other Digestive Diseases	35	20	15	5	2	3	1	3	5	1	3	2	6	2	2	-
Acute and Chronic Nephritis	62	27	35	1	-	-	1	-	3	3	8	23	15	8	-	-
Other Dis. of Genito-Urinary System	27	17	10	2	-	-	-	-	2	-	3	6	8	5	1	-
Puerperal Sepsis	6	-	6	-	-	-	-	1	4	1	-	-	-	-	-	-
Other Puerperal Causes	17	-	17	-	-	-	-	3	8	6	-	-	-	-	-	-
Diseases of Skin and Locomotor System	19	7	12	4	1	1	1	3	-	1	1	1	1	5	-	-
Congen. Debil., Prem. Birth, Malform., &c.	145	86	59	141	-	-	-	-	1	-	-	-	-	-	-	-
Old Age	68	18	50	-	-	-	-	-	-	-	-	-	13	41	14	-
Suicide	28	18	10	-	-	-	-	1	2	9	10	5	1	-	-	-
Other Violence	82	55	27	6	13	7	3	8	13	5	6	9	8	4	-	-
Causes Ill-defined or Unknown	42	23	19	2	-	-	-	2	1	3	6	5	16	6	1	-
ALL CAUSES	2260	1096	1173	289	136	41	27	104	146	123	213	307	441	318	64	-

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Glydebank.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...	...
4	Measles	34	28	1	2	...	...	...	...	...
5	Scarlet Fever	3	3	...	...	...	...	...	...	...
6	Whooping-cough	34	21	...	2	6	1	1	...	...
7	Diphtheria	14	9	1	2	1	...	...	...	...
8	Influenza	6	5	...	...	...	...	...	1	...
14 (1)	Cerebro-spinal Fever	17	8	1	2	1	2	1	...	...
14 (2)	Other Epidemic Diseases*	14	5	3	1	1	1	1	...	...
10	Tuberculosis of Respiratory System ...	144	74	30	5	7	1	4	6	...
11	Other Tuberculous Diseases	61	30	4	3	6	5	1	2	...
14 (3)	Other Infectious and Parasitic Diseases	9	1	4	...	1	...	...	1	...
15	Cancer, Malignant Disease	288	132	56	15	23	12	8	3	...
18	Diabetes Mellitus	37	7	7	4	6	4	1	2	...
20	Oth. Gen. Diseases, Chronic Poisonings	50	20	9	4	2	1	1	1	...
22	Cerebral Hæmorrhage, &c.	226	90	46	18	24	6	5	8	...
23	Oth. Dis. of Nerv. Syst. and Sense Org.	70	37	11	5	1	2	3	1	...
24	Heart Disease	355	140	76	28	26	13	14	5	...
25	Other Circulatory Diseases	53	20	10	4	9	2	2	3	...
26	Bronchitis	73	27	14	11	4	1	3	2	...
27	Pneumonia (all forms)	130	65	26	8	4	1	5	7	...
28	Other Respiratory Diseases	23	10	3	...	1	...	2	2	...
32 (1)	Gastric and Duodenal Ulcer	18	7	6	...	...	1	1	...	...
29	Diarrhoea, &c. (all Ages)	42	27	4	1	...	2	1	1	...
30	Appendicitis	16	7	3	1	...	...	1	...	...
31 (1)	Cirrhosis of Liver	2	...	1	1	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	19	6	3	4	...	1	...	...	...
32 (2)	Other Digestive Diseases	35	13	6	2	3	3	...	2	...
33	Acute and Chronic Nephritis	62	27	10	2	5	3	1	2	...
34	Oth. Diseases of Genito-Urinary System	27	15	2	2	2	...	1	1	...
35	Puerperal Sepsis	6	4	...	1	...	...	...	...	...
36	Other Puerperal Causes	17	6	5	1	...	1	1	...	...
37	Dis. of Skin, and of Locomotor System	19	9	2	1	2	...	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	145	64	23	10	14	4	6	2	...
39	Old Age	68	27	13	11	4	1	2	1	...
40	Suicide	28	11	8	2	4	1	...	...	...
42	Other Violence	82	34	14	6	7	4	2	1	...
43	Causes Ill-defined or Unknown ...	42	24	1	2	2	...	4	3	...
All Causes		2269	1013	403	161	166	73	73	57	4
AGE AT DEATH.										
Under 1		289	149	35	18	21	8	8	7	...
1- 4		136	76	17	5	9	7	3	2	...
5- 9		41	22	5	1	2	3	1	...	...
10-14		27	13	4	2	1	1	2	1	...
15-24		104	48	22	7	2	3	2	7	...
25-34		146	62	24	10	10	5	3	4	...
35-44		123	51	20	6	10	7	5	3	...
45-54		213	96	34	14	11	10	13	5	...
55-64		367	165	81	19	30	10	7	12	...
65-74		441	192	81	33	32	12	19	10	...
75-84		318	118	65	33	31	6	9	6	...
85 and over		64	21	15	13	7	1	1	...	...
Not stated		...	...	...	...	...	...	...	...	...
All Ages		2269	1013	403	161	166	73	73	57	4

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—July 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	2	1	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough	1	...	...	...	1	...	1	...
7	Diphtheria ... ..	...	...	...	...	1	...	...	...
8	Influenza ... ..	...	...	...	...	...	...	...	...
14 (1)	Cerebro-spinal Fever	1	1	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	1	...	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	2	2	1	1	1	3	3	1
11	Other Tuberculous Diseases	1	1	1	...	2	1	3	...
14 (3)	Other Infectious and Parasitic Diseases	...	1	...	...	...	1	...	...
15	Cancer, Malignant Disease	3	4	9	...	3	3	1	8
18	Diabetes Mellitus	1	2	...	1	1	...	...	1
20	Oth. Gen. Diseases, Chronic Poisonings	1	3	...	...	4	...	2	...
22	Cerebral Hæmorrhage, &c.	3	...	4	3	3	3	5	5
23	Oth. Dis. of Nerv. Syst. and Sense Org.	2	1	1	2	1	...	3	...
24	Heart Disease	5	3	8	6	6	7	2	10
25	Other Circulatory Diseases	2	...	...	...	...	...	1	...
26	Bronchitis	1	...	4	1	1	...	...	2
27	Pneumonia (all forms)	3	...	...	1	2	2	1	3
28	Other Respiratory Diseases ... ..	...	...	...	1	3	1	...	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	3	...	...	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	1	1	2	...	2
30	Appendicitis ... ..	...	1	1	...	...	...	...	2
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	2	2	...	...	...	1	...
32 (2)	Other Digestive Diseases	1	...	...	2	1	...	1	1
33	Acute and Chronic Nephritis	1	1	4	1	1	1	1	1
34	Oth. Diseases of Genito-Urinary System	1	...	...	1	...	1	...	1
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	1
36	Other Puerperal Causes ... ..	...	...	...	1	1	...	1	...
37	Dis. of Skin, and of Locomotor System	...	...	1	...	1	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	2	3	2	2	1	...	3	3
39	Old Age ... ..	...	4	1	...	...	2	1	1
40	Suicide ... ..	...	...	1	...	...	...	...	...
42	Other Violence	3	2	3	2	...	...	...	2
43	Causes Ill-defined or Unknown ...	1	...	...	...	1	...	3	...
	All Causes	35	32	43	26	41	28	33	45
	AGE AT DEATH.								
	Under 1	8	4	3	4	2	3	7	5
	1- 4	2	1	1	1	7	1	2	1
	5- 9	1	1	1	1	...	...	1	1
	10-14 ... ..	...	...	...	...	2	...	...	1
	15-24	1	1	...	...	4	2	...	2
	25-34	3	2	1	6	4	3	5	4
	35-44	1	3	3	2	4	1	...	1
	45-54	2	1	9	3	3	1	6	2
	55-64	6	7	5	2	4	3	3	5
	65-74	6	7	10	5	5	9	4	12
	75-84	5	3	10	1	6	5	5	8
	85 and over ... ..	...	2	...	1	...	...	...	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	35	32	43	26	41	28	33	45

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of JULY 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.			RAIN, AND OTHER FORMS OF PRE- CIPITATION.		WIND DIRECTIONS																					
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Mean at Sea-Level and 32°.	Mean of	Absolute Maximum and Minimum.			Difference from Average.	Mean at 9 A.M. and 9 P.M.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																		
					Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Tem- perature).°										°	7, 9, 22	°	Day of Month.	Minimum.	Day of Month.	°	per cent.	inch.	inch.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.
GLASGOW, J. R. CURRIE, Professor M.D., The University.	139	29.523	29.674	63.3	53.5	58.4	+0.4	68	7, 9, 22	49	20th	58.9	3.8	.390	77	24	3.41	+0.32	0	0	3	2	6	16	22	4	4								
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.213	29.685	63.0	52.4	57.7	+0.8	71	9th	47	21st	56.0	2.5	.380	85	23	3.57	+0.94	0	6	2	0	8	9	22	3	12								
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.485	29.663	62.5	51.7	57.1	-1.3	70	30th	45	26th	57.1	2.5	.396	85	27	4.95	+2.21	0	8	0	12	0	34	0	8	0								
ABERDEEN,* The Meteorological Office.	85	29.545	29.644	61.4	52.1	56.7	+0.1	73	22nd	45	3rd	56.5	2.3	.393	86	21	2.93	+0.12	5	3	1	10	13	5	5	11	9								
PAISLEY, The Coats Observatory.	107	29.548	29.664	64.7	53.2	58.9	-0.4	72	9th	47	20th	57.9	2.6	.409	84	24	3.85	+0.99	0	1	4	2	6	16	17	8	8								
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.449	29.702	63.1	52.9	58.0	+0.4	69	7, 9	48	20th	57.4	2.9	.383	82	27	4.40	+0.48	1	1	6	1	19	14	10	9	1								
PERTH,† J. RITCHIE, The Museum.	22	29.630	29.654	65.6	52.2	58.9	+0.5	79	9th	45	20, 21	58.3	2.9	.400	83	27	3.97	+1.08	0	2	4	10	4	36	0	6	0								
Means	170	29.485	29.669	63.4	52.6	58.0	+0.1	..	..	..	..	57.4	2.8	.398	83	25	3.87	+0.88	1	3	3	5	8	19	11	7	5				

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
AUGUST 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of August 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 3,863 living children, of whom 1,929 were males and 1,934 were females. Compared with the number in the previous month, births of male children are 178 fewer, of female children 194 fewer, and of children of both sexes 372 fewer. The monthly birth-rate in these towns taken collectively was 18·5 per thousand. This rate is 1·8 less than in the previous month, and 1·6 less than the average for August.

In the individual towns the monthly birth rate ranged from 24·6 in Coatbridge, 21·2 in Paisley and 20·8 in Hamilton, to 12·2 in Ayr, 14·3 in Edinburgh and 16·4 in Falkirk. In Greenock this rate was 20·0, in Glasgow 19·9, in Motherwell and Wishaw 19·5, in Dundee 19·1, in Clydebank 19·1, in Aberdeen 18·9, in Kirkealdy 17·4, in Kilmarnock 17·3, in Perth 17·3 and in Dunfermline 16·5.

Of the 3,863 living children whose births were registered during the month, 3,603, or 93·3 per cent., were legitimate, while 260, or 6·7 per cent., were illegitimate. The legitimate children numbered 374 fewer than in the previous month, but the illegitimate children numbered 2 more. The illegitimate rate for the month is 0·6 more than in the previous month. In the individual towns the illegitimate birth-rate ranged from 10·7 in Kilmarnock, 9·7 in Aberdeen and 9·2 in Clydebank, to 2·0 in Dunfermline, 2·2 in Coatbridge and 2·6 in Ayr. In Glasgow this rate was 6·8, in Edinburgh 6·9 and in Dundee 7·4.

Marriages registered during the month numbered 1,517 and equalled a marriage-rate of 7·3 per thousand. This number is 1,042 fewer than in the previous month. The marriage-rate is 5·0 less than in the previous month, but 0·3 more than the average for August. In the individual towns the marriage-rate ranged from 11·2 in Perth, 9·9 in Kilmarnock and 8·9 in Edinburgh, to 4·1 Coatbridge, 4·8 in Clydebank, and 4·9 in Motherwell and Wishaw. In Glasgow this rate was 7·3, in Dundee 5·0 and in Aberdeen 8·7.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Deaths registered in these towns during the month numbered 2,347, and are 96 fewer than in July. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,181, and to include the deaths of 1,124 males and 1,057 females. The corrected number is 88 less than in the previous month, males being 28 more but females 116 fewer.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 10·5 per thousand, being 0·4 less than in July and 0·5 less than the average for August. In the individual towns the monthly death-rate varied from 12·8 in Ayr, 12·0 in Aberdeen and 11·8 in Perth, to 7·8 in Clydebank, 8·0 in Falkirk and 9·1 in Dunfermline. In Coatbridge this rate was 10·9, in Dundee 10·8, in Kilmarnock 10·8, in Glasgow 10·6, in Hamilton 10·3, in Edinburgh 10·1, in Kirkcaldy 9·9, in Greenock 9·7, in Motherwell and Wishaw 9·6 and in Paisley 9·5.

Deaths of children of less than one year old numbered 231, and equalled an infantile mortality rate of 55 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 58 fewer than in the previous month. The infantile mortality rate is 14 less than in July, and 11 less than the average for August. In the individual towns this rate ranged from 113 in Dunfermline, 103 in Ayr and 102 in Perth, to 24 in Clydebank, 25 in Hamilton, 32 in Kirkcaldy and 32 in Kilmarnock. In Motherwell and Wishaw it was 84, in Dundee 77, in Aberdeen 70, in Coatbridge 62, in Greenock 61, in Glasgow 53, in Falkirk 49, in Paisley 45 and in Edinburgh 37.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 82, and equalled a death-rate from these causes of 0·4 per thousand. They numbered 40 fewer than in the previous month, and included 1 from typhoid fever, 23 from measles, 5 from scarlet fever, 18 from whooping-cough, 12 from diphtheria, 5 from influenza, 9 from cerebro-spinal fever, and 9 from other epidemic diseases, of which 7 were ascribed to erysipelas and 2 to lethargic encephalitis. Compared with the number in the previous month, deaths from scarlet fever are 2 more and from typhoid fever 1 more, but those from influenza are 1 fewer, from diphtheria 2 fewer, from other epidemic diseases 5 fewer, from cerebro-spinal fever 8 fewer, from measles 11 fewer and from whooping-cough 16 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 201, and equalled a death-rate of 1·0 per thousand. Compared with the number for the previous month they are 25 fewer, while the rate is 0·1 less than in that month, and 0·2 less than the average for August.

Deaths from all forms of tuberculosis numbered 173, of which 124 were ascribed to tuberculosis of the respiratory system. Compared with the previous month, deaths from all forms of tuberculosis are 32 fewer, and those from tuberculosis of the respiratory system are 20 fewer. Compared with the average for August the former are 18 fewer and the latter 11 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

AUGUST 1931.

Mean barometric pressure, 29·920 in.; greater than the average of 1881-1915 by 0·061 in.

Mean temperature, 55°·7 F.; less by 1°·4 F.

Mean daily range of temperature, 13°·2 F.; less by 0°·7 F.

Rain, depth in inches, 2·76; less by 0·94 in.

Wind, direction of: an eight days' excess of north-easterly to easterly winds.

Anticyclonic conditions prevailed during the first and last weeks of the month, but in the intervening period conditions were of an unsettled type, secondary depressions and later depressions causing cloudy and rainy weather in many districts. The mean barometric pressure was above the normal, the extremes at Edinburgh being 30·49 in. on 4th and 29·20 in. on 20th.

With practically only one really warm spell, that between 3rd and 7th, and winds of a northerly to easterly direction, the mean temperature was below normal, the difference from normal being very marked in eastern areas. Between 3rd and 7th maximum temperatures of over 70° F. were recorded in many places, 81° F. being reached at Onich on 4th, 80° F. at Achnashellach on the 3rd and 4th, and at Fort William on the latter date. Locally, however, in eastern and northern districts the maximum failed to reach during the month the 70° F. level. On the morning of the 24th the temperature in the screen fell to 31° F. at Dalwhinnie, and on the 30th to 32° F. at Balmoral. Ground frosts were reported around the 9th, and more frequently during the last ten days of the month; on the 24th at Dalwhinnie the temperature on the grass was 22° F. and on the 30th 24° F.

In the Lothians, the south-eastern border counties, around Balmoral and in the vicinity of Keith there was an excess of rainfall, the excess in the Lothians being very pronounced; elsewhere there was a decided deficiency, it being over large parts of the country the driest August on record. At Deerness it was the driest August since at least 1841, whilst in the Shetlands there was less than 10 per cent. of the normal August figure. The wettest period lay between the 16th and 21st, heavy falls occurring in south-eastern counties between 18th and 21st, these giving rise to much flooding, structural damage and, in a few instances, loss of life. At Oxenfoord Castle 2·71 in. fell on 18th and 2·07 in. on 21st, while Gorebridge had 1·25 in. on 16th, 1·61 in. on 17th and 1·72 in. on 20th.

Thunderstorms occurred on 10 days, on 6th, 8th and 9th, and each day from 15th to 21st; the storms were confined chiefly to the southern half of Scotland, from the Tay to the Solway; the most widespread were those of 16th, 17th, 19th and 20th.

Gales were absent, the month being exceptionally quiet; as a result fog was rather prevalent, particularly during the anticyclonic periods; at Wick between the 1st and 6th the fog was dense at times; in the Firth of Forth fog was reported on 2nd, 6th, 13th, 19th and 20th.

In the west and north there was generally an excess of sunshine, the excess averaging locally as much as 14 hours per day; in the east there was a deficiency, it being the most sunless August in Edinburgh since 1924; at Dumfries it was the sunniest since 1919. From the 3rd to 5th there was an average of fully 12 hours per day at Troon, while the total at Leuchars for this period was only 1½ hours.

Aurora was reported from Skye as having been observed on the 7th.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 64.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, AUGUST 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,051,527	1,088,417	910	925	1835	1711	124	674	542	519	1061	130	50	981
EDINBURGH, . .	420,264	438,998	281	253	534	497	37	332	214	199	413	63	31	378
DUNDEE, . . .	168,815	175 583	154	131	285	264	21	75	82	87	169	13	5	161
ABERDEEN, . .	158,963	167,259	122	147	269	243	26	124	98	93	191	30	9	170
PAISLEY, . . .	84,837	86,441	73	83	156	149	7	40	46	26	72	5	3	70
GREENOCK, . . .	81,133	73,948	66	68	134	126	8	41	28	36	64	2	3	65
MOTHERWELL AND WISHAW, . .	68,869	64 703	49	58	107	99	8	27	23	25	48	2	7	53
CLYDEBANK, . .	43,601	46,963	30	46	76	69	7	19	14	11	25	2	8	31
COATBRIDGE, . .	43,919	43,056	46	44	90	88	2	15	22	11	33	0	7	40
DUNFERMLINE, .	39,899	34,954	27	22	49	48	1	24	20	15	35	9	1	27
KIRKCALDY, . .	44,298	43,874	33	32	65	63	2	20	18	19	37	5	5	37
HAMILTON, . . .	39,504	37,863	39	28	67	65	2	16	12	10	22	0	11	33
KILMARNOCK, . .	35,969	38,099	21	35	56	50	6	32	20	21	41	9	3	35
AYR,	35,763	36,784	24	14	38	37	1	27	26	34	60	24	4	40
FALKIRK, . . .	34,419	36,565	25	26	51	47	4	18	19	11	30	9	4	25
PERTH,	33,208	34,807	29	22	51	47	4	33	30	16	46	12	1	35
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	1929	1934	3863	3603	260	1517	1214	1133	2347	318	152	2181

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, AUGUST 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·9	6·8	7·3	11·5	10·6	0·6	1·0	0·7	1·1	105	53
EDINBURGH, . .	14·3	6·9	8·9	11·1	10·1	0·1	0·8	0·6	0·7	23	37
DUNDEE, . . .	19·1	7·4	5·0	11·3	10·8	0·5	0·9	0·6	0·9	23	77
ABERDEEN, . .	18·9	9·7	8·7	13·4	12·0	0·3	0·9	0·8	0·8	19	70
PAISLEY, . . .	21·2	4·5	5·4	9·8	9·5	0·1	0·4	0·3	1·4	7	45
GREENOCK, . . .	20·0	6·0	6·1	9·5	9·7	0·3	0·4	0·3	1·3	10	61
MOTHERWELL AND WISHAW, . .	19·5	7·5	4·9	8·7	9·6	0·5	0·4	0·2	0·5	10	84
CLYDEBANK, . .	19·1	9·2	4·8	6·3	7·8	0·0	0·5	0·3	0·3	2	24
COATBRIDGE, . .	24·6	2·2	4·1	9·0	10·9	0·3	1·6	1·4	1·1	6	62
DUNFERMLINE, .	16·5	2·0	8·1	11·8	9·1	0·3	0·3	0·3	0·7	6	113
KIRKCALDY, . .	17·4	3·1	5·4	9·9	9·9	0·3	1·1	0·3	0·8	2	32
HAMILTON, . . .	20·8	3·0	5·0	6·8	10·3	0·3	0·9	0·9	0·3	2	25
KILMARNOCK, . .	17·3	10·7	9·9	12·7	10·8	0·6	0·0	0·0	0·9	2	32
AYR,	12·2	2·6	8·6	19·2	12·8	0·0	0·3	0·3	0·6	6	103
FALKIRK, . . .	16·4	7·8	5·8	9·7	8·0	0·3	0·6	0·3	1·9	3	49
PERTH,	17·3	7·8	11·2	15·6	11·8	0·3	0·0	0·0	0·7	5	102
TOTAL . . . (SIXTEEN TOWNS)	18·5	6·7	7·3	11·3	10·5	0·4	0·8	0·6	1·0	231	55

* Based on the average number of births registered monthly during the past 12 months.
† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR AUGUST 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	†Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
JG. 1931. .	18·5	6·7	7·3	10·5	1	23	5	18	12	5	9	9	55	55°·7
JG. 1930. .	19·7	6·0	7·0	10·4	1	9	4	13	8	4	7	19	66	58°·3
JG. 1929. .	19·5	6·6	6·7	10·8	1	9	1	20	10	12	8	12	61	56°·7
JG. 1928. .	20·2	6·7	6·7	11·4	1	4	2	42	7	12	9	17	77	57°·5
JG. 1927. .	20·3	6·1	7·6	11·4	2	45	7	52	20	8	9	13	67	58°·5
JG. 1926. .	20·7	6·2	7·1	10·8	2	5	7	16	13	7	7	20	61	59°·1
JG. 1925. .	20·8	6·8	7·4	11·2	3	3	14	58	16	13	8	21	78	58°·4
JG. 1924. .	21·6	7·0	6·9	10·8	0	20	18	48	21	10	5	11	77	56°·2
JG. 1923. .	23·2	7·1	7·7	10·7	4	28	17	31	8	4	3	13	53	56°·5
JG. 1922. .	24·1	6·5	7·5	10·5	0	26	4	23	18	7	8	10	54	54°·8
JG. 1921. .	26·2	7·7	8·7	12·8	2	6	14	37	13	11	7	14	105	56°·1

Figures in columns 5-14 have been corrected for non-resident deaths.
* Including Paratyphoid from 1931.
† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.
‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—August 1931.

		CAUSES OF DEATH.	Total.	Males.	Females.	Age.												
						-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over	
		Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	
		Measles -	23	12	11	6	17	-	-	-	-	-	-	-	-	-	-	
		Scarlet Fever -	5	1	4	-	3	2	-	-	-	-	-	-	-	-	-	
		Whooping-cough -	18	8	10	6	12	-	-	-	-	-	-	-	-	-	-	
		Diphtheria -	12	4	8	-	8	3	-	1	-	-	-	-	-	-	-	
		Influenza -	5	3	2	-	1	1	-	1	-	-	1	1	-	-	-	
(1)		Cerebro-spinal Fever -	9	6	3	4	4	-	-	-	1	-	-	-	-	-	-	
(2)		Other Epidemic Diseases* -	9	3	6	1	-	-	1	-	2	3	2	-	-	-	-	
		Tuberculosis of Respiratory System -	124	63	61	1	1	2	2	30	29	17	18	19	5	-	-	
		Other Tuberculous Diseases -	49	28	21	6	13	8	7	4	4	3	3	1	-	-	-	
(3)		Other Infectious and Parasitic Diseases -	15	9	6	2	1	2	-	1	1	3	3	2	-	-	-	
		Cancer, Malignant Disease -	307	142	165	1	-	1	-	1	7	14	55	76	100	48	4	
		Diabetes Mellitus -	19	8	11	-	-	-	-	-	1	3	1	5	5	3	1	
		Other General Dis., Chronic Poisonings -	56	25	31	1	3	3	3	5	6	5	8	7	11	4	-	
		Cerebral Hæmorrhage, &c. -	242	110	132	-	1	-	-	1	-	3	18	57	96	55	11	
		Oth. Dis. of Nervous System & Sense Org. -	56	32	24	11	6	-	4	2	4	7	7	9	5	1	-	
		Heart Disease -	347	171	176	1	-	-	3	9	14	17	30	73	116	70	14	
		Other Circulatory Diseases -	43	21	22	-	1	-	-	-	-	1	2	10	8	14	7	
		Bronchitis -	74	41	33	5	2	-	-	-	-	2	5	10	29	16	5	
		Pneumonia (all forms) -	99	68	31	20	19	6	1	4	2	11	9	9	13	4	1	
		Other Respiratory Diseases -	28	14	14	-	1	-	-	2	2	2	4	3	12	1	1	
(1)		Gastric and Duodenal Ulcer -	20	15	5	-	-	-	-	-	3	6	3	5	3	-	-	
		Diarrhœa, &c. (all ages) -	39	23	16	26	5	-	-	-	3	1	1	2	-	1	-	
		Appendicitis -	20	9	11	-	1	1	4	5	2	1	4	1	1	-	-	
(1)		Cirrhosis of Liver -	5	4	1	-	-	-	-	-	1	1	-	1	1	1	-	
(2)		Other Diseases of Liver, &c. -	12	5	7	-	-	-	-	-	-	1	1	1	5	3	1	
(2)		Other Digestive Diseases -	44	23	21	2	5	4	1	4	1	1	4	11	6	3	2	
		Acute and Chronic Nephritis -	57	39	18	-	-	-	-	-	1	2	14	17	15	8	-	
		Other Dis. of Genito Urinary System -	39	27	12	2	1	1	-	1	3	1	6	7	8	7	2	
		Puerperal Sepsis -	7	-	7	-	-	-	-	1	6	-	-	-	-	-	-	
		Other Puerperal Causes -	15	-	15	-	-	-	-	3	7	4	1	-	-	-	-	
		Diseases of Skin and Locomotor System -	18	12	6	1	1	1	1	2	2	1	1	4	2	1	1	
		Congen. Debil., Prem. Birth, Malform., &c. -	133	72	61	132	1	-	-	-	-	-	-	-	-	-	-	
		Old Age -	73	24	49	-	-	-	-	-	-	-	-	-	13	39	21	
		Suicide -	24	19	5	-	-	-	-	-	3	5	8	6	2	-	-	
		Other Violence -	85	55	30	3	9	10	2	16	6	5	7	7	11	6	3	
		Causes Ill-defined or Unknown -	19	27	22	-	1	-	-	1	-	-	11	14	11	8	-	
		ALL CAUSES -	2131	1124	1057	231	117	45	28	95	109	120	227	360	482	293	74	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.
1	Typhoid Fever (including Paratyphoid)	1	...	...	...	...	...	1	...
4	Measles	23	21	...	2	...	...	...	...
5	Scarlet Fever	5	3	1	...	...	...	...	...
6	Whooping-cough	18	11	...	1	2	...	...	1
7	Diphtheria	12	5	3	1	1	...	...	1
8	Influenza	5	1	...	...	...	1	1	1
14 (1)	Cerebro-spinal Fever	9	8	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	9	3	1	3	...	...	...	...
10	Tuberculosis of Respiratory System ...	124	62	24	9	11	2	2	1
11	Other Tuberculous Diseases	49	30	4	4	2	1	1	1
14 (3)	Other Infectious and Parasitic Diseases	15	4	2	4	1	...	1	...
15	Cancer, Malignant Disease	307	127	63	24	24	13	7	9
18	Diabetes Mellitus	19	5	5	1	2	1	2	...
20	Oth. Gen. Diseases, Chronic Poisonings	56	23	19	1	4	1	1	1
22	Cerebral Hæmorrhage, &c.	242	93	41	14	37	6	7	7
23	Oth. Dis. of Nerv. Syst. and Sense Org.	56	21	8	9	2	...	4	1
24	Heart Disease	347	141	74	33	23	13	11	6
25	Other Circulatory Diseases	43	12	10	5	8	2	2	1
26	Bronchitis	74	37	9	6	3	2	5	1
27	Pneumonia (all forms)	99	55	12	7	6	7	2	2
28	Other Respiratory Diseases	28	11	6	1	2	1	2	...
32 (1)	Gastric and Duodenal Ulcer	20	10	2	3	2	...	...	...
29	Diarrhœa, &c. (all Ages)	39	20	4	4	3	1	1	1
30	Appendicitis	20	8	3	1	2	...	1	1
31 (1)	Cirrhosis of Liver	5	2	2	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	12	3	4	3	...	1	...	...
32 (2)	Other Digestive Diseases	44	19	9	1	3	2	...	1
33	Acute and Chronic Nephritis	57	24	15	2	7	...	1	1
34	Oth. Diseases of Genito-Urinary System	39	20	6	1	3	1	...	...
35	Puerperal Sepsis	7	3	1	...	1	...	...	...
36	Other Puerperal Causes	15	10	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	18	10	2	1	1	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	133	62	13	10	8	5	6	8
39	Old Age	73	29	11	6	8	2	1	2
40	Suicide	24	11	4	2	...	1	...	...
42	Other Violence	85	45	19	2	1	3	2	2
43	Causes Ill-defined or Unknown ...	49	32	1	...	2	3	3	4
	All Causes ...	2181	981	378	161	170	70	65	53
	AGE AT DEATH.								
	Under 1	231	105	23	23	19	7	10	10
	1-4	117	70	17	9	3	3	2	2
	5-9	45	23	5	3	...	2	3	...
	10-14	28	19	3	1	...	1	1	1
	15-24	95	46	16	9	...	2	2	2
	25-34	109	49	20	5	8	3	1	...
	35-44	120	58	20	9	8	6	3	2
	45-54	227	109	39	18	15	9	6	3
	55-64	360	154	76	28	24	11	11	9
	65-74	482	210	85	30	46	17	14	13
	75-84	293	113	58	19	36	6	11	9
	85 and over	74	25	16	7	11	3	1	2
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	2181	981	378	161	170	70	65	53

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—August 1931—*continued*.

ern'l ort ist os.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever ... ..	...	...	...	...	1	...	...	...
6	Whooping-cough	1	...	...	...	1	...	...	1
7	Diphtheria ... ..	...	...	...	...	...	...	1	...
8	Influenza... ..	...	1	...	...	...	...	...	...
4 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
4 (2)	Other Epidemic Diseases*	...	...	1	1	...	...	...	...
0	Tuberculosis of Respiratory System ...	5	1	1	3	...	1	1	...
1	Other Tuberculous Diseases	1	...	3	...	...	...	1	...
4 (3)	Other Infectious and Parasitic Diseases	...	...	...	1	1	1	...	...
5	Cancer, Malignant Disease	6	1	3	6	7	5	3	2
8	Diabetes Mellitus ... ..	...	...	...	...	1	1	1	...
0	Oth. Gen. Diseases, Chronic Poisonings	...	1	...	...	1	1	...	2
2	Cerebral Hæmorrhage, &c.	3	3	5	5	6	3	5	7
3	Oth. Dis. of Nerv. Syst. and Sense Org.	1	1	1	1	1	3	...	1
4	Heart Disease	4	3	5	4	5	8	4	6
5	Other Circulatory Diseases ... ..	...	...	1	1	...	...	...	1
6	Bronchitis	2	1	2	...	3	...	2	...
7	Pneumonia (all forms)	2	...	1	...	...	2	1	2
8	Other Respiratory Diseases ... ..	...	1	...	1	...	...	3	...
2 (1)	Gastric and Duodenal Ulcer	1	2	...	...	...	...	...	...
9	Diarrhœa, &c. (all Ages)	1	1	2	...	...	...	...	...
0	Appendicitis	1	...	...	...	2	1	...	...
1 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	1
1 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	1
2 (2)	Other Digestive Diseases	2	2	1	...	...	...	...	3
3	Acute and Chronic Nephritis	1	1	1	...	2	1	...	...
4	Oth. Diseases of Genito-Urinary System	...	1	1	1	1	...	1	2
5	Puerperal Sepsis ... ..	...	...	1	1	...	...	...	...
6	Other Puerperal Causes	1	...	...	2	1	...	...	...
7	Dis. of Skin, and of Locomotor System	...	...	1	1	...	1	...	...
8	Congenital Debility, Premature Birth, Malformations, &c.	3	5	1	2	...	5	1	3
9	Old Age	2	2	3	1	2	2	1	1
0	Suicide	2	...	1	...	...	1	...	1
2	Other Violence	1	...	1	...	...	4	...	1
3	Causes Ill-defined or Unknown ...	...	...	1	2	...	...	...	...
	All Causes ...	40	27	37	33	35	40	25	35
	AGE AT DEATH.								
	Under 1	6	6	2	2	2	6	3	5
	1-4	3	...	3	1	1	1	...	1
	5-9	1	...	1	...	1	2	2	...
	10-14 ... ..	...	...	...	...	1	...	...	...
	15-24	3	1	...	3	1	2	...	4
	25-34	6	1	2	4	3	3	...	2
	35-44	1	...	4	...	2	1	2	3
	45-54	1	3	3	6	...	2	4	4
	55-64	6	4	6	5	10	5	4	3
	65-74	12	6	6	6	6	11	7	8
	75-84	1	5	8	5	7	5	2	4
	85 and over ... ..	...	1	2	1	1	2	1	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	40	27	37	33	35	40	25	35

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of AUGUST 1931.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	at 9 A.M. and 9 P.M.		Mean of		Difference from Average.		Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
	Mean at Sea-level and 32°.		Minimum (B.)		Mean of A and B (Mean Temperature).		Maximum.		Day of Month.		Dry Bulb.		Depression of Wet Bulb.		Vapour Pressure.		Humidity.		N NE E SE S SW W NW																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
	Mean at Station-level and 32°.		Maximum (A.)																Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M. † At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

SEPTEMBER 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of September 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 3,821 living children, of whom 1,886 were males and 1,935 were females. Compared with the number in the previous month, births of male children are 43 fewer, but those of female children are 1 more, while those of both sexes are 42 fewer. The monthly birth-rate in these towns taken collectively was 18·9 per thousand. This rate is 0·4 more than in the previous month, but 0·3 less than the average for September.

In the individual towns the monthly birth-rate varied from 26·3 in Coatbridge, 25·8 in Ayr and 22·5 in Hamilton, to 15·7 in Perth, 16·0 in Edinburgh and 16·0 in Kilmarnock. In Falkirk this rate was 22·3, in Greenock 22·2, in Motherwell and Wishaw 21·1, in Dunfermline 20·5, in Clydebank 19·7, in Glasgow 19·4, in Aberdeen 19·0, in Dundee 18·5, in Paisley 17·3 and in Kirkcaldy 16·9.

Of the 3,821 living children whose births were registered during the month, 3,590, or 94·0 per cent., were legitimate, while 231, or 6·0 per cent., were illegitimate. The legitimate children numbered 13 fewer than in the previous month, and the illegitimate children 29 fewer. The illegitimate rate for the month is 0·7 less than in the previous month. In the individual towns the illegitimate birth-rate ranged from 13·1 in Kirkcaldy, 9·6 in Aberdeen and 8·9 in Paisley, to 0·0 in Hamilton, 2·2 in Perth and 4·2 in Greenock. In Glasgow this rate was 5·4, in Edinburgh 6·2 and in Dundee 7·1.

Marriages registered during the month numbered 1,906 and equalled a marriage-rate of 9·5 per thousand. This number is 389 more than in the previous month, while the rate is 2·2 more than in that month, and 0·2 more than the average for September. In the individual towns the monthly marriage rate ranged from 11·6 in Falkirk, 11·1 in Edinburgh and 11·1 in Aberdeen, to 4·7 in Clydebank, 4·9 in Greenock and 5·8 in Paisley. In Glasgow this rate was 9·9 and in Dundee 9·1.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Price 3d. net.

Deaths registered in these towns during the month numbered 2,429, and are 82 more than in August. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,252, and to include the deaths of 1,116 males and 1,136 females. The corrected number is 71 more than in the previous month, males being 8 fewer, but females 79 more.

The monthly death-rate in these towns taken collectively and based upon the corrected number of deaths was 11·2 per thousand, being 0·7 more than in the previous month, but the same as the average for September. In the individual towns the monthly death-rate ranged from 12·6 in Ayr, 12·0 in Greenock and 11·9 in Perth, to 8·0 in Hamilton, 8·6 in Kirkcaldy and 9·6 in Kilmarnock. In Glasgow this rate was 11·7, in Aberdeen 11·3, in Falkirk 11·3, in Edinburgh 11·1, in Clydebank 10·9, in Coatbridge 10·5, in Dundee 10·4, in Dunfermline 10·4, in Paisley 10·3 and in Motherwell and Wishaw 9·8.

Deaths of children of less than one year old numbered 260, and equalled an infantile mortality rate of 64 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 29 more than in the previous month. The infantile mortality rate is 9 more than in the previous month and 8 more than the average for September. In the individual towns the infantile mortality rate ranged from 89 in Clydebank, 82 in Greenock and 82 in Kirkcaldy, to 0 in Dunfermline, 13 in Hamilton and 26 in Motherwell and Wishaw. In Glasgow the rate was 79, in Ayr 68, in Perth 61, in Aberdeen 57, in Coatbridge 54, in Edinburgh 50, in Kilmarnock 49, in Falkirk 49, in Dundee 45 and in Paisley 34.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 103, and equalled a death-rate from these causes of 0·5 per thousand. These deaths numbered 21 more than in the previous month, and included 6 from typhoid fever, 34 from measles, 4 from scarlet fever, 7 from whooping-cough, 11 from diphtheria, 20 from influenza, 12 from cerebro-spinal fever, and 9 from other epidemic diseases, of which 5 were attributed to erysipelas and 4 to lethargic encephalitis. Compared with the number in the previous month, deaths from influenza are 15 more, from measles 11 more, from typhoid fever 5 more and from cerebro-spinal fever 3 more, but those from other epidemic diseases numbered the same, while from scarlet fever they are 1 fewer, from diphtheria 1 fewer and from whooping-cough 11 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 259, and equalled a death-rate of 1·3 per thousand. Compared with the number for the previous month these deaths are 58 more, while the rate is 0·3 more than in that month, but is the same as the average for September.

Deaths from all forms of tuberculosis numbered 169, of which 137 were ascribed to tuberculosis of the respiratory system. Compared with the previous month, deaths from all forms of tuberculosis are 4 fewer, while those from tuberculosis of the respiratory system are 13 more. Compared with the average for September the former are 5 fewer but the latter are 12 more.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

SEPTEMBER 1931.

Mean barometric pressure, 30.154 in.; greater than the average of 1881-1915 by 0.206 in.

Mean temperature, 52°·2 F.; less by 1°·4 F.

Mean daily range of temperature, 13°·0 F.; less by 0°·4 F.

Rain, depth in inches, 1.30; less by 1.44 in.

Wind, direction of: a two days' excess of north-westerly winds.

Apart from a complex depression which crossed the southern part of the British Isles during the opening days of the month, and the passage eastwards of a trough of low pressure about the 17th and another at the end of the month, anticyclonic conditions persisted throughout with quiet but rather cloudy weather with rain mostly in the form of scattered showers. Mean barometric readings were everywhere well in excess of the normal, the extremes at Edinburgh being 30.69 in. on 26th and 29.63 in. on 2nd.

The month was rather cool, there being no really warm spells; particularly in eastern districts, however, maximum temperatures reached the 70 degree level locally between the 15th and 18th, the maximum reaching 76° F. at Kettins on the 15th, and on the same day 72° F. at Arbroath and 71° F. at Carnoustie. In the west the warmest periods were centred around the 1st and 23rd; Oban with 70° F. on the 1st was outstanding, the maximum level reached in western and northern districts being about 66° F. At Lerwick the highest maximum reached was only 58° F. The lowest screen minima occurred between the 10th and 13th; on the morning of the 13th 26° F. was registered at Dalwhinnie and on the 11th 27° F. at Renfrew. Ground frosts occurred on 14 days, the most widespread being those between 10th and 13th, 20th and 23rd. The temperature on the grass fell to 20° F. at Dalwhinnie on the mornings of 11th, 21st and 22nd, and to 21° F. at Renfrew on 11th, and to 22° F. at Achnashellach on 13th.

Only in the vicinity of Edinburgh did the rainfall approach the normal, there being a decided deficiency elsewhere; in western and northern districts, where large areas had less than 30 per cent. of normal, it was locally the driest September since records began, and at Deerness, Achnashellach and Glenquoich it was the driest September since 1894. The greater part of rainfall totals was due to the falls, heavy locally, on a few days, particularly at the beginning, middle and end of the month. On the 1st 1.21 in. fell at Langholm, on 16th 1.15 in. at Ardmaddy and on the same day 1.13 in. at Ardgour.

Thunderstorms occurred locally in eastern and southern districts on 2nd, 6th, 10th, 16th and 19th, and in the same area gales or strong winds on 2nd, 4th and 30th, while hail was reported locally from eastern districts on 9th and 11th. Fresh snow was noted on the Cairngorms on 3rd and 6th and on the higher hills near Braemar on 6th and 11th. With the prevalence of quiet conditions fog was frequent, being reported on 13 days; the areas most affected lay between the Firths of Forth and Clyde.

Sunshine aggregates were generally below normal, it being the most sunless September at Eskdalemuir since records commenced in 1910. During the first fortnight many places had one or more days with over 10 hours sunshine; on the 4th Lerwick had 12 hours, whilst Tiree had on 4th and 5th over 11 hours, and on 10th over 12 hours. At Tiree during the first 12 days there were 85 hours sunshine, while for the whole month the total was 115 hours.

Aurora was observed on 4th, 8th, 9th, 11th and 21st, that on 21st being observed as far south as Leuchars.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 72.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, SEPTEMBER 1931.

TOWNS.	POPULATION		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS		Total Corrected.		
								Males.		Females.	Total.	Out.		In.	
GLASGOW, . . .	1,051,527	1,088,417	694	842	1736	1643	93	889	579	554	1133	143	54	1044	
EDINBURGH, . .	420,264	438,998	267	312	579	543	36	400	214	234	448	69	20	399	
DUNDEE, . . .	168,315	175,583	135	132	267	248	19	131	81	80	161	15	4	150	
ABERDEEN, . .	158,963	167,259	123	138	261	236	25	153	86	92	178	35	12	155	
PAISLEY, . . .	84,837	86,441	61	62	123	112	11	41	33	41	74	5	4	73	
GREENOCK, . . .	81,133	78,948	69	75	144	138	6	32	46	33	79	4	3	78	
MOTHERWELL AND WISHAW, .	68,869	64,708	57	55	112	104	8	36	19	27	46	1	7	52	
CLYDEBANK, . .	46,601	46,963	31	45	76	71	5	18	10	19	29	0	13	42	
COATBRIDGE, . .	43,919	43,056	36	57	93	89	4	21	17	14	31	3	9	37	
DUNFERMLINE, .	39,899	34,954	26	33	59	56	3	20	16	14	30	4	4	30	
KIRKCALDY, . .	44,298	43,874	32	29	61	53	8	25	18	17	35	8	4	31	
HAMILTON, . . .	39,504	37,863	35	35	70	70	0	26	11	7	18	1	8	25	
KILMARNOCK, . .	35,969	38,099	23	27	50	47	3	28	15	19	34	7	3	30	
AYR,	35,763	36,784	39	39	78	74	4	26	23	21	44	10	4	38	
FALKIRK, . . .	34,419	36,565	31	36	67	62	5	35	19	25	44	11	1	34	
PERTH,	33,208	34,807	27	18	45	44	1	25	27	18	45	14	3	34	
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	1886	1935	3821	3590	231	1906	1214	1215	2429	330	153	2252	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, SEPTEMBER 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·4	5·4	9·9	12·7	11·7	0·8	1·1	0·8	1·6	150	79
EDINBURGH, . .	16·0	6·2	11·1	12·4	11·1	0·2	0·7	0·6	0·9	30	50
DUNDEE, . . .	18·5	7·1	9·1	11·2	10·4	0·3	1·2	1·2	1·2	13	45
ABERDEEN, . .	19·0	9·6	11·1	12·9	11·3	0·4	0·5	0·5	0·7	15	57
PAISLEY, . . .	17·3	8·9	5·8	10·4	10·3	0·6	0·1	0·1	1·1	5	34
GREENOCK, . .	22·2	4·2	4·9	12·2	12·0	0·0	1·1	0·6	1·5	13	82
MOTHERWELL AND WISHAW, .	21·1	7·1	6·8	8·6	9·8	0·2	0·6	0·6	1·5	3	26
CLYDEBANK, . .	19·7	6·6	4·7	7·5	10·9	0·0	0·3	0·3	0·8	7	89
COATBRIDGE, . .	26·3	4·3	5·9	8·8	10·5	0·6	0·0	0·0	2·0	5	54
DUNFERMLINE	20·5	5·1	7·0	10·4	10·4	0·0	0·3	0·0	1·0	0	0
KIRKCALDY, . .	16·9	13·1	6·9	9·7	8·6	0·6	0·3	0·3	1·9	5	82
HAMILTON, . . .	22·5	0·0	8·4	5·8	8·0	0·3	0·3	0·3	0·6	1	13
KILMARNOCK, .	16·0	6·0	8·9	10·9	9·6	0·0	0·6	0·0	1·3	3	49
AYR,	25·8	5·1	8·6	14·6	12·6	0·3	0·0	0·0	1·3	4	68
FALKIRK, . . .	22·3	7·5	11·6	14·6	11·3	0·3	2·0	1·7	1·7	3	49
PERTH,	15·7	2·2	8·7	15·7	11·9	0·0	0·3	0·3	0·3	3	61
TOTAL . . . (SIXTEEN TOWNS)	18·9	6·0	9·5	12·0	11·2	0·5	0·8	0·7	1·3	260	64

* Based on the average number of births registered monthly during the past 12 months.
† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR SEPTEMBER 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	+Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
SEPT. 1931.	18·9	6·0	9·5	11·2	6	34	4	7	11	20	12	9	64	52°·2
SEPT. 1930.	19·2	7·0	10·2	11·1	2	5	3	16	24	17	14	21	66	54°·5
SEPT. 1929.	18·2	6·7	9·4	10·6	2	2	1	15	14	9	11	17	71	56°·3
SEPT. 1928.	18·5	6·8	9·2	11·2	1	1	3	31	19	16	9	19	81	52°·8
SEPT. 1927.	20·0	6·9	8·9	11·9	3	13	5	34	22	10	4	14	81	52°·1
SEPT. 1926.	20·2	5·7	8·9	11·1	5	3	14	10	20	12	5	12	80	54°·6
SEPT. 1925.	21·1	7·3	8·8	11·3	3	0	14	24	14	18	1	14	79	51°·2
SEPT. 1924.	21·4	5·9	9·2	12·0	1	23	26	46	27	14	1	16	79	53°·0
SEPT. 1923.	22·2	6·6	10·0	11·0	0	31	20	26	15	8	8	10	68	52°·3
SEPT. 1922.	23·7	7·7	9·5	10·9	2	15	9	32	13	8	5	12	65	52°·1
SEPT. 1921.	27·2	7·1	10·5	12·2	5	3	4	23	24	7	7	15	96	55°·3

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—September 1931.

Serial Port List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	6	2	4	-	-	1	1	2	-	1	-	1	-	-	-	-	
4	Measles -	34	19	15	10	22	2	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	4	2	2	-	2	2	-	-	-	-	-	-	-	-	-	-	
6	Whooping-cough -	7	3	4	4	2	1	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	11	6	5	-	7	2	-	-	-	-	2	-	-	-	-	-	
8	Influenza -	20	10	10	1	2	1	1	-	1	-	-	2	10	2	-	-	
4 (1)	Cerebro-spinal Fever -	12	5	7	4	4	1	1	1	-	-	1	-	-	-	-	-	
4 (2)	Other Epidemic Diseases* -	9	4	5	3	-	-	-	-	1	1	1	1	2	-	-	-	
0	Tuberculosis of Respiratory System -	137	70	67	-	2	3	1	33	44	17	19	15	2	1	-	-	
1	Other Tuberculous Diseases -	32	19	13	4	9	3	4	6	2	2	1	1	-	-	-	-	
4 (3)	Other Infectious and Parasitic Diseases -	14	11	3	1	-	1	-	-	2	2	4	3	1	-	-	-	
5	Cancer, Malignant Disease -	279	129	150	-	-	-	1	1	3	21	53	83	82	31	1	-	
8	Diabetes Mellitus -	25	9	16	-	-	-	-	1	1	1	2	8	9	3	-	-	
20	Other General Dis., Chronic Poisonings -	56	21	35	1	1	5	1	3	4	6	4	13	11	2	-	-	
22	Cerebral Hæmorrhage, &c. -	245	108	137	1	1	-	-	2	2	2	20	48	106	54	9	-	
23	oth. Dis. of Nervous System & Sense Org. -	69	37	32	12	3	7	1	7	5	2	9	9	10	4	-	-	
24	Heart Disease -	347	161	186	-	1	2	4	2	6	27	37	59	114	78	17	-	
25	Other Circulatory Diseases -	43	28	15	-	-	-	-	1	-	1	-	7	11	17	6	-	
26	Bronchitis -	88	43	45	7	2	-	-	3	3	1	5	13	31	17	6	-	
27	Pneumonia (all forms) -	141	81	60	29	21	1	2	7	4	12	19	16	15	12	3	-	
28	Other Respiratory Diseases -	30	13	17	2	1	-	-	3	-	1	1	4	11	4	3	-	
32 (1)	Gastric and Duodenal Ulcer -	18	12	6	-	-	-	-	-	3	3	7	1	4	-	-	-	
29	Diarrhœa, &c. (all ages) -	60	27	33	39	9	2	-	1	1	-	1	-	2	2	3	-	
30	Appendicitis -	16	9	7	-	-	3	1	4	2	4	1	1	-	-	-	-	
31 (1)	Cirrhosis of Liver -	1	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	
31 (2)	Other Diseases of Liver, &c. -	16	5	11	-	-	-	-	1	-	1	2	4	2	5	1	-	
32 (2)	Other Digestive Diseases -	39	14	25	2	1	3	1	1	-	4	3	6	12	6	-	-	
33	Acute and Chronic Nephritis -	49	22	27	-	-	1	1	3	-	3	8	12	15	4	2	-	
34	Other Dis. of Genito-Urinary System -	33	18	15	2	-	-	1	1	2	3	3	5	7	9	-	-	
35	Puerperal Sepsis -	9	-	9	-	-	-	-	2	4	3	-	-	-	-	-	-	
36	Other Puerperal Causes -	11	-	11	-	-	-	-	3	3	5	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	21	10	11	2	1	1	1	1	1	2	3	4	3	1	1	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	139	73	66	136	2	-	-	1	-	-	-	-	-	-	-	-	
39	Old Age -	73	26	47	-	-	-	-	-	-	-	-	-	6	38	29	-	
40	Suicide -	21	18	3	-	-	-	-	1	4	5	4	4	2	1	-	-	
42	Other Violence -	95	70	25	-	10	12	7	12	12	9	7	8	4	9	5	-	
43	Causes Ill-defined or Unknown -	42	30	12	-	1	-	-	1	2	2	3	10	12	9	2	-	
ALL CAUSES		2252	1116	1136	260	104	54	29	104	112	141	220	344	484	309	91	-	

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	6	3	...	2	1	...	...	...	...
4	Measles	34	34	...	...	...	...	...	...	...
5	Scarlet Fever	4	3	...	...	...	...	...	...	...
6	Whooping-cough	7	5	1	...	1	...	...	...	...
7	Diphtheria	11	7	1	1	1	...	...	...	...
8	Influenza	20	8	3	2	2	1	...	1	...
14 (1)	Cerebro-spinal Fever	12	7	1	...	...	3	...	...	...
14 (2)	Other Epidemic Diseases*	9	6	1	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ...	137	73	23	17	7	1	4	3	1
11	Other Tuberculous Diseases	32	22	2	1	...	...	3	...	...
14 (3)	Other Infectious and Parasitic Diseases	14	6	4	...	2	...	...	1	1
15	Cancer, Malignant Disease	279	129	47	14	19	9	12	5	11
18	Diabetes Mellitus	25	13	4	1	...	1	...	1	1
20	Oth. Gen. Diseases, Chronic Poisonings	56	21	16	3	4	2	2	...	...
22	Cerebral Hæmorrhage, &c.	245	92	54	18	25	10	10	6	3
23	Oth. Dis. of Nerv. Syst. and Sense Org.	69	32	11	...	6	4	5	...	2
24	Heart Disease	347	143	82	29	20	14	8	6	8
25	Other Circulatory Diseases	43	9	13	4	9	1	2	...	1
26	Bronchitis	88	37	10	6	6	2	6	4	2
27	Pneumonia (all forms)	141	89	15	8	4	5	3	3	...
28	Other Respiratory Diseases	30	13	6	3	...	1	1	1	1
32 (1)	Gastric and Duodenal Ulcer	18	10	3	2	...	...	...	...	...
29	Diarrhoea, &c. (all Ages)	60	42	5	4	2	...	...	3	1
30	Appendicitis	16	5	3	2	...	...	2	...	...
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	...	...	1
31 (2)	Other Diseases of Liver, &c.	16	6	2	2	1	...	...	1	...
32 (2)	Other Digestive Diseases	39	16	9	...	5	1	...	...	...
33	Acute and Chronic Nephritis	49	16	10	2	5	5	1	5	...
34	Oth. Diseases of Genito-Urinary System	33	17	6	1	2	...	2	...	1
35	Puerperal Sepsis	9	3	...	...	2	1	...	1	...
36	Other Puerperal Causes	11	4	3	2	...	...	1	...	...
37	Dis. of Skin, and of Locomotor System	21	10	3	1	4	...	...	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	139	64	21	9	10	2	9	2	4
39	Old Age	73	24	17	6	6	3	2	2	...
40	Suicide	21	7	4	2	3	...	...	...	1
42	Other Violence	95	45	13	6	7	3	4	6	2
43	Causes Ill-defined or Unknown ...	42	23	6	2	...	4	1	1	1
	All Causes	2252	1044	399	150	155	73	78	52	42
	AGE AT DEATH.									
	Under 1	260	150	30	13	15	5	13	3	7
	1-4	104	71	8	3	3	3	4	4	1
	5-9	54	30	6	2	4	2	2	1	1
	10-14	29	18	2	2	3	1	1	1	...
	15-24	104	51	12	9	12	...	6	2	1
	25-34	112	48	13	16	4	6	2	3	1
	35-44	141	64	25	12	7	4	5	2	5
	45-54	220	99	46	10	11	5	10	10	4
	55-64	344	151	71	18	26	9	12	7	8
	65-74	484	214	92	37	36	18	12	12	9
	75-84	309	112	76	18	27	18	8	3	5
	85 and over	91	36	18	10	7	2	3	4	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2252	1044	399	150	155	73	78	52	42

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—September 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles ... ..	...	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	...	...	1	...	...
8	Influenza... ..	...	...	2	...	...	...	1	...
14 (1)	Cerebro-spinal Fever	1	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	1	...	...	...	...
10	Tuberculosis of Respiratory System ... ..	...	...	1	1	...	...	5	1
11	Other Tuberculous Diseases ... ..	...	1	...	...	2	...	1	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	6	4	6	3	6	5	...	3
18	Diabetes Mellitus ... ..	...	1	1	...	...	...	1	1
20	Oth. Gen. Diseases, Chronic Poisonings	2	3	...	...	...	2	...	1
22	Cerebral Hæmorrhage, &c.	3	4	...	2	2	3	5	8
23	Oth. Dis. of Nerv. Syst. and Sense Org.	...	2	...	2	2	2	1	...
24	Heart Disease	6	7	4	3	5	6	2	4
25	Other Circulatory Diseases ... ..	...	...	...	1	...	1	...	2
26	Bronchitis	2	...	6	...	3	1	2	1
27	Pneumonia (all forms)	5	2	...	2	1	2	2	...
28	Other Respiratory Diseases ... ..	...	1	1	...	...	1	1	...
32 (1)	Gastric and Duodenal Ulcer ... ..	...	...	...	...	...	2	...	1
29	Diarrhœa, &c. (all Ages)	1	...	1	...	1	...	...	...
30	Appendicitis ... ..	...	...	...	1	...	1	2	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	3	...	...	...	1	...	...
32 (2)	Other Digestive Diseases	2	...	1	2	1	...	...	2
33	Acute and Chronic Nephritis	1	1	...	1	1	...	...	1
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	1	2	...	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	2	...
36	Other Puerperal Causes	1	...	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	...	...	...	...	...	1	1
38	Congenital Debility, Premature Birth, Malformations, &c.	2	...	3	1	2	4	3	3
39	Old Age	1	1	3	3	3	1	1	...
40	Suicide ... ..	...	...	...	1	...	1	1	1
42	Other Violence	2	...	1	...	...	2	1	3
43	Causes Ill-defined or Unknown ... ..	...	...	...	1	...	...	2	1
	All Causes	37	30	31	25	30	38	34	34
	AGE AT DEATH.								
	Under 1	5	...	5	1	3	4	3	3
	1- 4	2	2	...	...	1	2	...	...
	5- 9	3	...	...	2	1	...	...	...
	10-14 ... ..	...	...	...	...	...	...	...	1
	15-24	2	1	1	...	...	...	5	2
	25-34	1	1	4	1	3	2	5	2
	35-44	3	2	...	1	2	1	3	5
	45-54	2	3	2	4	2	6	3	3
	55-64	4	3	6	6	4	9	7	3
	65-74	6	11	5	3	7	6	7	9
	75-84	9	5	7	5	6	6	1	3
	85 and over ... ..	...	2	1	2	1	2	...	3
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	37	30	31	25	30	38	34	34

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of SEPTEMBER 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	Height of Barometer above Sea-level.	Mean at Station-level and 32°.	Mean at Sea-Level and 32°.	Mean of		Difference from Average.	Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
				Maximum (A.)	Minimum (B.)		Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.				N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M. † At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

OCTOBER 1931.

Published by Authority of the Registrar-General.

REPORT

During the month of October 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 4,147 living children, of whom 2,104 were males and 2,043 were females. Compared with the number in the previous month, births of male children are 218 more, of female children 108 more, and of children of both sexes 326 more. The monthly birth-rate in these towns taken collectively was 19·9 per thousand. This rate is 1·0 more than in the previous month, but is 0·6 less than the average for October.

In the individual towns the monthly birth-rate varied from 27·1 in Hamilton, 24·9 in Coatbridge, and 22·2 in Motherwell and Wishaw, to 14·2 in Falkirk, 16·2 in Edinburgh, 18·2 in Dunfermline, and 18·2 in Kirkcaldy. In Clydebank this rate was 21·8, in Glasgow 21·2, in Paisley 20·4, in Aberdeen 20·3, in Perth 20·3, in Ayr 20·2, in Greenock 19·7, in Kilmarnock 19·5, and in Dundee 18·4.

Of the 4,147 living children whose births were registered during the month, 3,912, or 94·3 per cent., were legitimate, while 235, or 5·7 per cent., were illegitimate. The legitimate children numbered 322 more than in the previous month, and the illegitimate children 4 more. The illegitimate rate for the month is 0·3 less than in the previous month. In the individual towns the illegitimate birth-rate ranged from 9·5 in Ayr, 8·8 in Kirkcaldy, and 8·3 in Greenock, to 2·3 in Clydebank, 3·2 in Kilmarnock, and 3·3 in Coatbridge. In Glasgow this rate was 5·6, in Edinburgh 5·5, in Dundee 7·6, and in Aberdeen 4·2.

Marriages registered during the month numbered 1,393 and equalled a marriage-rate of 6·7 per thousand. This number is 513 fewer than in the previous month, while the rate is 2·8 less than in that month, and 0·8 less than the average for October. In the individual towns the marriage-rate ranged from 10·2 in Ayr, 8·5 in Perth, and 8·2 in Aberdeen, to 3·8 in Clydebank, 4·0 in Kilmarnock, and 4·2 in Dundee. In Glasgow this rate was 7·4, and in Edinburgh 6·9.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Deaths registered in these towns during the month numbered 2,566, and are 137 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,369, of whom 1,214 were males, and 1,155 were females. The corrected number is 117 more than in the previous month, males being 98 more and females 19 more.

The monthly death-rate taken collectively and based upon the corrected number of deaths was 11·3 per thousand, being 0·1 more than in the previous month, but 1·2 less than the average for October. In the individual towns the monthly death-rate varied from 13·4 in Greenock, 12·9 in Perth, and 12·7 in Glasgow, to 8·7 in Hamilton, 9·1 in Kirkcaldy, and 9·6 in Coatbridge. In Kilmarnock this rate was 11·1, in Aberdeen 10·5, in Clydebank 10·5, in Paisley 10·4, in Dunfermline 10·1, in Edinburgh 10·0, in Motherwell and Wishaw 10·0, in Falkirk 10·0, in Ayr 9·9 and in Dundee 9·7.

Deaths of children of less than one year old numbered 298, and equalled an infantile mortality rate of 71 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 38 more than in the previous month. The infantile rate is 7 more than in the previous month, but 11 less than the average for October. In the individual towns this rate varied from 93 in Glasgow, 93 in Greenock, and 83 in Coatbridge, to 16 in Kirkcaldy, in Ayr, and in Falkirk. In Dunfermline the rate was 73, in Hamilton 73, in Dundee 61, in Motherwell and Wishaw 59, in Perth 59, in Aberdeen 55, in Paisley 52, in Kilmarnock 48, in Edinburgh 37, and in Clydebank 36.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 141, and equalled a death-rate from these causes of 0·7 per thousand. These deaths numbered 38 more than in the previous month, and included 2 from typhoid fever, 70 from measles (of which 67 occurred in Glasgow), 5 from scarlet fever, 10 from whooping-cough, 12 from diphtheria, 17 from influenza, 9 from cerebro-spinal fever, and 16 from other epidemic diseases, 8 of which were ascribed to erysipelas, 5 to lethargic encephalitis, 2 to acute poliomyelitis, and 1 to dysentery. Compared with the number in the previous month, deaths from measles are 36 more, from other epidemic diseases 7 more, from whooping-cough 3 more, from scarlet fever 1 more, and from diphtheria 1 more, but those from influenza are 3 fewer, from cerebro-spinal fever 3 fewer, and from typhoid fever 4 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 266, and equalled a rate of 1·3 per thousand. Compared with the number in the previous month the deaths are 7 more, while the rate is the same as in that month, but is 0·6 less than the average for October.

Deaths from all forms of tuberculosis numbered 175, of which 132 were ascribed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 6 more, but those from tuberculosis of the respiratory system are 5 fewer. Compared with the average for October the former are 20 fewer and the latter are 12 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

OCTOBER 1931.

Mean barometric pressure, 30·004 in.; greater than the average of 1881-1915 by 0·156 in.

Mean temperature, 47°·8 F.; greater by 0°·6 F.

Mean daily range of temperature, 11°·5 F.; equal to average.

Rain, depth in inches, 2·52; less by 0·87 in.

Wind, direction of: a seven days' excess of south-westerly winds.

During the month barometric pressure was generally high to the south-east or south-west of the British Isles and relatively low to the north and north-west; these conditions permitted, particularly during the first fortnight, secondary depressions to move eastwards or north-eastwards across northern districts. Barometric pressure was, as in the previous month, well above the average generally, the extremes at Edinburgh being 30·65 in. on 15th and 29·48 in. on 6th and 7th.

The opening days of the month were relatively mild and the maxima on the 4th and 5th were high for the time of year, 70° F. being recorded at Stonehaven on the 4th and 5th and at Aberdeen on the 4th. During the last ten days there were some low temperatures recorded, the minima in the screen and on the grass being low in places. On the morning of the 25th the screen temperature at Dalwhinnie was 16° F. and at Renfrew 19° F., while on the 26th it was 15° F. at Braemar and 17° F. at Balmoral. On the grass on the morning of 25th the temperature at Dalwhinnie was 10° F. and 11° F. at Renfrew, while on the 26th it was 10° F. at Braemar and 11° F. at Balmoral. Ground frosts occurred also on the 10th and 13th and were rather widespread each morning from 15th to 30th.

Over most of Scotland the rainfall totals were below the average for the month, although there were few days quite free from rain; locally, particularly at Achfary, Loch Carron and Baltasound, there was only 1 dry day, that being either 16th or 17th. The districts where there was an excess of rainfall lay mainly to the western side of the Grampians from Inverness-shire to the Clyde Estuary. The driest areas were located in eastern coastal districts, the deficiency being greatest in the Tay Estuary and locally in the border counties. At Perth it was the driest October since 1919 and at Marchmont since 1904. At Kinlochquoich there were 9 days with over an inch of rain; on the 1st there were 2·60 in. and on the 4th 3·00 in., while the total from the 1st to the 8th was 11·20 in. At Glen Etive there were 5 days with more than 1 inch of rain and 4 such days at Glenquoich and Glenhurich. On the 1st 2·25 in. fell at Brencaille and 2·07 in. at Glenbranter.

Thunderstorms occurred very locally on 2nd, 3rd, 7th and 8th, chiefly in western and north-western areas. Snow, hail or sleet was noted on 2nd, 7th and each day from 20th to 31st, the snow during the last ten days of the month being most frequently reported from northern and eastern areas. From the 24th the snow tended to lie locally, particularly in and around Balmoral, where the snow was 3 in. deep on 25th. Gales occurred on 15 days, the most widespread being those around the 1st, 9th, 20th and 29th, whilst fog was reported locally on 12 days, the Clyde area being affected on 8 days.

Sunshine aggregates, with the exception of extreme western and northern districts, were well above the usual October figures, it being the sunniest October on record in Edinburgh, St. Andrews, Eskdalemuir and Inchkeith. In Edinburgh it was the sunniest month since the previous May.

Aurora was observed on 12 nights, that on night of 12th, the most widely observed, being reported as brilliant from Duntulm (Skye) and Kirkwall.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 80.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, OCTOBER 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,051,527	1,088,417	1005	955	1960	1851	109	680	673	597	1270	138	45	1177
EDINBURGH, . .	420,264	438,998	308	295	603	570	33	256	196	214	410	54	16	372
DUNDEE, . . .	168,315	175,533	133	142	275	254	21	63	80	77	157	14	2	145
ABERDEEN, . .	158,963	167,259	140	148	288	276	12	116	89	97	186	44	7	149
PAISLEY, . . .	84,837	86,441	73	77	150	141	9	40	42	41	83	8	1	76
GREENOCK, . .	81,133	73,948	70	62	132	121	11	39	52	35	87	5	8	90
MOTHERWELL AND WISHAW, .	68,869	64,703	71	51	122	116	6	26	19	29	48	0	7	55
CLYDEBANK, . .	46,601	46,963	52	35	87	85	2	15	18	17	35	1	8	42
COATBRIDGE, .	43,919	43,056	37	54	91	88	3	16	14	15	29	0	6	35
DUNFERMLINE, .	39,899	34,954	30	24	54	50	4	15	18	17	35	7	2	30
KIRKCALDY, . .	44,298	43,874	32	36	68	62	6	23	12	21	33	5	6	34
HAMILTON, . . .	39,504	37,863	44	43	87	82	5	15	11	11	22	0	6	28
KILMARNOCK, .	35,969	38,099	34	29	63	61	2	13	17	18	35	5	6	36
AYR,	35,763	36,784	24	39	63	57	6	32	27	22	49	22	4	31
FALKIRK, . . .	34,419	36,565	22	22	44	42	2	19	21	18	39	9	1	31
PERTH,	33,208	34,807	29	31	60	56	4	25	25	23	48	12	2	38
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	2104	2043	4147	3912	235	1393	1314	1252	2566	324	127	2369

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, OCTOBER 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	21·2	5·6	7·4	13·7	12·7	1·2	1·1	0·8	1·7	182	93
EDINBURGH, . .	16·2	5·5	6·9	11·0	10·0	0·1	0·7	0·5	0·9	23	37
DUNDEE, . . .	18·4	7·6	4·2	10·5	9·7	0·3	0·4	0·4	0·5	18	61
ABERDEEN, . .	20·3	4·2	8·2	13·1	10·5	0·2	1·0	0·8	1·4	15	55
PAISLEY, . . .	20·4	6·0	5·4	11·3	10·4	0·3	1·0	0·7	1·4	8	52
GREENOCK, . .	19·7	8·3	5·8	13·0	13·4	0·4	0·9	0·7	1·2	15	93
MOTHERWELL AND WISHAW, .	22·2	4·9	4·7	8·7	10·0	0·4	0·5	0·2	1·6	7	59
CLYDEBANK, . .	21·8	2·3	3·8	8·8	10·5	0·3	0·8	0·5	0·3	3	36
COATBRIDGE, .	24·9	3·3	4·4	7·9	9·6	0·3	0·8	0·3	1·6	8	83
DUNFERMLINE, .	18·2	7·4	5·1	11·8	10·1	0·3	0·7	0·7	0·0	4	73
KIRKCALDY, . .	18·2	8·8	6·2	8·9	9·1	0·3	0·5	0·3	0·8	1	16
HAMILTON, . .	27·1	5·7	4·7	6·8	8·7	1·2	0·0	0·0	0·6	6	73
KILMARNOCK, .	19·5	3·2	4·0	10·8	11·1	0·9	0·0	0·0	1·9	3	48
AYR,	20·2	9·5	10·2	15·7	9·9	0·3	1·3	0·6	1·0	1	16
FALKIRK, . . .	14·2	4·5	6·1	12·6	10·0	0·6	0·0	0·0	0·3	1	16
PERTH,	20·3	6·7	8·5	16·2	12·9	0·3	0·3	0·3	0·3	3	59
TOTAL . . . (SIXTEEN TOWNS)	19·9	5·7	6·7	12·3	11·3	0·7	0·8	0·6	1·3	298	71

* Based on the average number of births registered monthly during the past 12 months.
† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR OCTOBER 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								Infantile Mortality Rate.	Mean Temperature. Seven Towns only).
					Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
OCT. 1931, .	19·9	5·7	6·7	11·3	2	70	5	10	12	17	9	16	71	47°·8
OCT. 1930, .	20·5	6·4	7·2	11·7	0	5	6	17	21	16	9	19	74	48°·8
OCT. 1929, .	19·2	7·2	8·1	13·0	0	7	3	8	35	22	13	10	84	47°·2
OCT. 1928, .	21·1	5·9	8·1	13·1	0	2	3	13	16	45	6	14	82	48°·0
OCT. 1927, .	20·3	6·2	7·7	13·0	1	50	8	27	31	37	7	17	87	49°·2
OCT. 1926, .	21·3	6·2	6·4	11·5	4	1	8	6	21	20	8	22	82	43°·8
OCT. 1925, .	22·7	6·7	6·7	12·7	3	9	22	17	25	33	3	26	95	49°·1
OCT. 1924, .	23·2	6·9	7·1	12·5	1	21	27	47	19	30	1	13	80	48°·0
OCT. 1923, .	24·3	6·4	8·4	11·6	0	46	24	18	20	9	5	13	66	47°·9
OCT. 1922, .	23·7	7·3	8·3	11·9	3	31	18	22	19	15	3	16	77	46°·5
OCT. 1921, .	26·8	7·5	8·6	12·7	2	1	12	20	21	24	3	17	89	52°·7

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—October 1931.

Serial Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	2	1	1	-	-	-	-	-	-	2	-	-	-	-	-	-	
4	Measles -	70	25	45	26	43	1	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever -	5	4	1	1	3	1	-	-	-	-	-	-	-	-	-	-	
6	Whooping-cough -	10	5	5	5	5	-	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria -	12	4	8	1	5	6	-	-	-	-	-	-	-	-	-	-	
8	Influenza -	17	13	4	2	-	-	-	1	2	4	1	3	4	-	-	-	
14 (1)	Cerebro-spinal Fever -	9	4	5	2	2	1	-	2	1	1	-	-	-	-	-	-	
14 (2)	Other Epidemic Diseases* -	16	9	7	3	1	-	-	3	3	1	2	1	1	1	-	-	
10	Tuberculosis of Respiratory System -	122	72	60	1	-	2	2	44	39	16	14	11	3	-	-	-	
11	Other Tuberculous Diseases -	43	23	20	4	12	5	3	8	3	3	2	2	1	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases -	9	5	4	2	-	-	1	1	-	2	2	1	-	-	-	-	
15	Cancer, Malignant Disease -	318	153	165	-	-	-	-	-	7	25	47	97	103	37	2	-	
18	Diabetes Mellitus -	23	7	16	-	-	-	-	1	-	1	4	7	5	4	1	-	
20	Other General Dis., Chronic Poisonings -	56	26	30	-	-	2	1	8	3	10	10	8	9	4	1	-	
22	Cerebral Hæmorrhage, &c. -	256	120	136	1	-	-	-	2	1	4	25	61	88	63	6	-	
23	Oth. Dis. of Nervous System & Sense Org. -	75	53	22	13	6	5	-	7	2	8	11	11	9	3	-	-	
24	Heart Disease -	343	167	176	1	-	1	1	8	9	13	35	71	113	76	15	-	
25	Other Circulatory Diseases -	47	17	30	-	-	1	-	-	-	-	1	4	18	21	2	-	
26	Bronchitis -	105	52	53	6	2	1	-	-	3	1	2	26	35	26	3	-	
27	Pneumonia (all forms) -	132	82	50	37	16	7	2	1	7	11	14	13	13	10	1	-	
28	Other Respiratory Diseases -	29	13	16	3	-	-	-	3	2	1	3	5	4	5	3	-	
32 (1)	Gastric and Duodenal Ulcer -	22	14	8	-	-	-	-	-	7	4	7	3	1	-	-	-	
29	Diarrhœa, &c. (all ages) -	57	38	19	44	6	-	1	-	1	-	-	3	-	1	1	-	
30	Appendicitis -	26	16	10	-	2	3	1	6	1	5	2	4	2	-	-	-	
31 (1)	Cirrhosis of Liver -	2	1	1	-	-	-	-	-	-	-	-	2	-	-	-	-	
31 (2)	Other Diseases of Liver, &c. -	19	7	12	-	-	1	-	-	-	-	4	3	9	2	-	-	
32 (2)	Other Digestive Diseases -	42	19	23	5	4	6	-	1	3	2	3	9	3	5	1	-	
33	Acute and Chronic Nephritis -	64	36	28	1	1	-	1	2	5	5	7	16	17	8	1	-	
34	Other Dis. of Genito Urinary System -	30	18	12	1	-	-	-	1	2	1	6	7	5	7	-	-	
35	Puerperal Sepsis -	13	-	13	-	-	-	-	2	6	5	-	-	-	-	-	-	
36	Other Puerperal Causes -	10	-	10	-	-	-	-	1	3	6	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System -	20	11	9	1	-	-	4	1	1	-	2	6	5	-	-	-	
38	Congen. Debil., Prem. Birth, Malform., &c. -	134	77	57	132	2	-	-	-	-	-	-	-	-	-	-	-	
39	Old Age -	65	26	39	-	-	-	-	-	-	-	-	1	15	27	22	-	
40	Suicide -	25	11	14	-	-	-	-	-	5	5	8	2	4	1	-	-	
42	Other Violence -	88	55	33	5	4	8	2	11	8	8	11	13	10	6	2	-	
43	Causes ill defined or Unknown -	43	30	13	-	1	-	-	-	1	5	1	10	13	9	-	-	
ALL CAUSES -		2369	1214	1155	297	115	51	19	114	125	119	227	400	490	321	61	-	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	2	2	...	...	...	...	...	...	...
4	Measles	70	67	...	...	...	...	...	1	...
5	Scarlet Fever	5	4	...	...	...	...	...	...	1
6	Whooping-cough	10	6	...	1	1	...	...	...	...
7	Diphtheria	12	4	1	...	1	...	...	1	...
8	Influenza	17	11	...	...	1	...	3	...	...
14 (1)	Cerebro-spinal Fever	9	6	2	...	...	1	...	...	...
14 (2)	Other Epidemic Diseases*	16	8	1	3	...	1	...	...	...
10	Tuberculosis of Respiratory System ...	132	74	20	6	12	5	5	1	2
11	Other Tuberculous Diseases	43	25	5	...	2	2	1	2	1
14 (3)	Other Infectious and Parasitic Diseases	9	4	1	1	2	1	...	...	...
15	Cancer, Malignant Disease	318	138	57	22	17	14	15	5	5
18	Diabetes Mellitus	23	7	7	2	2	...	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	56	25	13	2	2	3	1	2	2
22	Cerebral Hæmorrhage, &c.	256	115	46	17	21	7	10	7	10
23	Oth. Dis. of Nerv. Syst. and Sense Org.	75	42	13	5	...	3	7	...	1
24	Heart Disease	343	136	77	26	23	11	11	13	8
25	Other Circulatory Diseases	47	16	7	3	4	4	2	...	...
26	Bronchitis	105	58	10	3	9	5	5	6	1
27	Pneumonia (all forms)	132	82	17	4	8	5	3	2	...
28	Other Respiratory Diseases	29	15	6	1	3	...	...	1	...
32 (1)	Gastric and Duodenal Ulcer	22	11	3	...	1	...	2	1	1
29	Diarrhœa, &c. (all Ages)	57	37	3	2	2	1	4	2	...
30	Appendicitis	26	12	5	3	1	...	1	2	...
31 (1)	Cirrhosis of Liver	2	1	1	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	19	6	3	3	1	...	...	1	...
32 (2)	Other Digestive Diseases	42	25	9	3	2	...	1	...	...
33	Acute and Chronic Nephritis	64	28	8	4	5	2	2	1	...
34	Oth. Diseases of Genito-Urinary System	30	11	3	5	3	1	1	1	...
35	Puerperal Sepsis	13	8	1	1	1	...	...	1	1
36	Other Puerperal Causes	10	6	2	...	...	...	...	...	1
37	Dis. of Skin, and of Locomotor System	20	10	4	3	...	1	1	...	...
38	Congenital Debility, Premature Birth, Malformations, &c.	134	64	13	12	11	5	8	2	4
39	Old Age	65	26	16	5	3	2	1	1	...
40	Suicide	25	14	3	...	2	1	1	1	...
42	Other Violence	88	49	13	6	6	...	3	...	3
43	Causes Ill-defined or Unknown ...	43	24	2	2	3	1	2	...	1
	All Causes ...	2369	1177	372	145	149	76	90	55	49
	AGE AT DEATH.									
	Under 1	297	182	23	17	15	8	15	7	3
	1- 4	115	80	4	7	8	2	2	2	2
	5- 9	51	28	5	2	1	2	3	1	...
	10-14	19	14	1	...	2	...	...	...	...
	15-24	114	58	20	6	5	3	5	2	3
	25-34	125	76	14	7	8	2	6	2	2
	35-44	149	77	23	5	9	3	6	7	4
	45-54	227	113	36	16	11	10	6	7	3
	55-64	400	183	71	23	27	14	16	11	13
	65-74	490	207	100	30	28	19	19	10	...
	75-84	321	128	60	26	33	13	10	6	...
	85 and over	61	31	15	6	2	...	2	...	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2369	1177	372	145	149	76	90	55	49

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—October 1931—*continued*.

Intern'l Short List Nos.	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	1	...	...	...	...	1	...	...
5	Scarlet Fever ... ..	...	...	...	...	...	...	...	...
6	Whooping-cough ... ..	...	1	...	...	1	...	...	...
7	Diphtheria ... ..	...	...	...	3	2	...	...	...
8	Influenza ... ..	...	...	...	1	...	...	...	1
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	1	...	...	...	2	...
10	Tuberculosis of Respiratory System ...	1	2	1	...	...	2	...	1
11	Other Tuberculous Diseases	2	...	1	...	...	2	...	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	3	5	11	3	6	2	7	8
18	Diabetes Mellitus ... ..	...	...	...	1	1	...	1	1
20	Oth. Gen. Diseases, Chronic Poisonings	1	1	1	1	...	...	1	1
22	Cerebral Hæmorrhage, &c.	2	3	5	1	5	...	3	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.	...	1	...	...	1	1	1	...
24	Heart Disease	3	7	5	4	2	10	2	5
25	Other Circulatory Diseases ... ..	...	1	2	1	2	1	2	2
26	Bronchitis	2	...	2	...	4	...	...	...
27	Pneumonia (all forms)	3	...	...	2	2	3	...	1
28	Other Respiratory Diseases	1	...	1	...	...	...	1	...
32 (1)	Gastric and Duodenal Ulcer	1	...	...	...	...	1	...	1
29	Diarrhœa, &c. (all Ages)	1	1	...	1	2	...	...	1
30	Appendicitis	1	...	1	...	...	...	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	1	1	...	...	1	1	1	...
32 (2)	Other Digestive Diseases ... ..	...	...	...	...	2	...	...	...
33	Acute and Chronic Nephritis	2	3	2	...	...	1	2	4
34	Oth. Diseases of Genito-Urinary System	...	...	1	...	2	1	1	...
35	Puerperal Sepsis ... ..	...	...	...	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	...	...	...	1	...
37	Dis. of Skin, and of Locomotor System	...	...	...	...	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	5	2	...	4	...	...	1	3
39	Old Age	1	1	...	2	1	5	1	...
40	Suicide ... ..	...	...	...	1	...	...	...	2
42	Other Violence	2	1	...	3	...	...	2	...
43	Causes Ill-defined or Unknown ...	2	...	...	...	2	...	1	3
	All Causes	35	30	34	28	36	31	31	38
	AGE AT DEATH.								
	Under 1	8	4	1	6	3	1	1	3
	1-4	3	1	...	2	1	...	...	1
	5-9 ... ..	...	1	...	2	4	1	1	...
	10-14 ... ..	...	...	1	1	...	...	...	...
	15-24	3	2	...	1	...	3	2	1
	25-34	1	1	2	...	...	2	1	1
	35-44	2	3	1	...	2	2	3	2
	45-54 ... ..	...	3	5	1	3	2	5	6
	55-64	5	5	7	4	5	6	6	5
	65-74	5	6	10	9	10	8	8	14
	75-84	7	3	7	2	7	5	4	4
	85 and over	1	1	...	...	1	1	...	1
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages	35	30	34	28	26	31	31	38

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of OCTOBER 1931.

OBSERVERS.	AIR PRESSURE		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
	Height of Barometer above Sea-level.	at 9 A.M. and 9 P.M.	Mean of		Mean of A and B (Mean Temperature).	Difference from Average.	Absolute Maximum and Minimum.		Mean at 9 A.M. and 9 P.M.		Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
			Maximum (A.)	Minimum (B.)			Maximum.	Day of Month.	Minimum.	Day of Month.				Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.	N	NE	E	SE	S	SW	W	NW	Calm or Variable.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

MONTHLY RETURN

OF THE

Births, Deaths, and Marriages

IN

Sixteen of the Principal Towns of Scotland

NOVEMBER 1931.

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REPORT

During the month of November 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 3,695 living children, of whom 1,863 were males and 1,832 were females. Compared with the number in the previous month, births of male children are 241 fewer, of female children 211 fewer, and of children of both sexes 452 fewer. The monthly birth-rate in these towns taken collectively was 18·3 per thousand. This rate is 1·6 less than in the previous month, and is 1·2 less than the average for November.

In the individual towns the monthly birth-rate varied from 25·4 in Hamilton, 19·9 in Glasgow and 19·8 in Coatbridge, to 12·5 in Dunfermline, 14·0 in Clydebank and 14·0 in Perth. In Greenock the birth-rate was 19·7, in Falkirk 19·0, in Paisley 18·9, in Aberdeen 18·4, in Motherwell and Wishaw 18·1, in Kirkcaldy 16·9, in Dundee 16·6, in Kilmarnock 16·6, in Edinburgh 15·7 and in Ayr 15·5.

Of the 3,695 living children whose births were registered during the month, 3,480, or 94·2 per cent., were legitimate, while 215, or 5·8 per cent., were illegitimate. The legitimate children numbered 432 fewer than in the previous month, and the illegitimate children 20 fewer. The illegitimate rate for the month is 0·1 more than in the previous month. In the individual towns the illegitimate birth-rate ranged from 8·5 in Ayr, 7·5 in Aberdeen and 7·5 in Perth, to 2·8 in Dunfermline, 2·9 in Coatbridge and 3·3 in Kirkcaldy. In Glasgow this rate was 6·2, in Edinburgh 5·5 and in Dundee 5·0.

Marriages registered during the month numbered 1,414 and equalled a marriage-rate of 7·0 per thousand. This number is 21 more than in the previous month, while the rate is 0·3 more than in that month, and 1·0 above the average for November. In the individual towns the marriage-rate ranged from 9·4 in Perth, 9·3 in Aberdeen and 8·6 in Ayr, to 3·7 in Falkirk, 4·5 in Dunfermline and 4·6 in Paisley. In Glasgow the rate was 7·5, in Edinburgh 7·2 and in Dundee 6·2.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Deaths registered in these towns during the month numbered 2,895, and are 329 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,664, of whom 1,385 were males and 1,279 were females. The corrected number is 295 more than in the previous month, males being 171 more and females 124 more.

The monthly death-rate taken collectively and based upon the corrected number of deaths was 13·2 per thousand, being 1·9 above that for the previous month, but 0·6 less than the average. In the individual towns the monthly death-rate varied from 16·4 in Coatbridge, 14·4 in Glasgow, 14·1 in Dundee and 14·1 in Kilmarnock, to 9·7 in Dunfermline, 10·8 in Kirkcaldy and 11·0 in Falkirk. In Perth this rate was 13·3, in Greenock 12·9, in Ayr 12·9, in Clydebank 11·9, in Hamilton 11·9, in Edinburgh 11·8, in Aberdeen 11·7, in Paisley 11·4 and in Motherwell and Wishaw 11·3.

Deaths of children of less than one year old numbered 344, and equalled an infantile mortality rate of 85 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 46 more than in the previous month. The infantile mortality rate is 14 more than in the previous month, but 16 less than the average. In the individual towns this rate ranged from 119 in Ayr, 107 in Glasgow and 99 in Coatbridge, to 16 in Kirkcaldy, 33 in Falkirk and 35 in Motherwell and Wishaw. In Dundee it was 91, in Greenock 83, in Kilmarnock 82, in Hamilton 75, in Aberdeen 72, in Clydebank 63, in Perth 60, in Paisley 54, in Edinburgh 52 and in Dunfermline 37.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 228, and equalled a death-rate from these causes of 1·1 per thousand. These deaths numbered 87 more than in the previous month, and included 1 from typhoid fever, 125 from measles (of which 108 occurred in Glasgow), 20 from scarlet fever, 14 from whooping-cough, 21 from diphtheria, 15 from influenza, 14 from cerebro-spinal fever, and 18 from other epidemic diseases, of which 13 were ascribed to erysipelas, 3 to lethargic encephalitis and 2 to dysentery. Compared with the number in the previous month, deaths from measles are 55 more, from scarlet fever 15 more, from diphtheria 9 more, from cerebro-spinal fever 5 more, from whooping-cough 4 more and from other epidemic diseases 2 more, but those from typhoid fever are 1 fewer and from influenza 2 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 426, and equalled a rate of 2·1 per thousand. Compared with the number in the previous month these deaths are 160 more, while the rate is 0·8 more, but is 0·7 less than the average for November.

Deaths from all forms of tuberculosis numbered 172, of which 125 were ascribed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 3 fewer, and those from tuberculosis of the respiratory system are 7 fewer. Compared with the average for November the former are 19 fewer and the latter 21 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

NOVEMBER 1931.

Mean barometric pressure, 29·612 in.; less than the average of 1881-1915 by 0·209 in.

Mean temperature, 45°·2 F.; greater by 3°·1 F.

Mean daily range of temperature, 7°·6 F.; less by 2°·1 F.

Rain, depth in inches, 5·89; greater by 2·36 in.

Wind, direction of: a ten days' excess of south to south-east winds.

The barometric pressure distribution throughout the month was dominated by the prevalence of deep depressions in the vicinity of Iceland and the relatively high pressure on the continent of Europe. Secondaries, frequently of a vigorous type, associated with the Icelandic depressions, moved near or across the British Isles, and were accompanied by mild and, particularly in southern and central Scotland, rainy conditions, with at times strong winds in all districts often reaching gale force. Barometric pressure was generally below normal, the extremes at Edinburgh being 30·50 in. on 16th and 28·60 in. on 10th.

As in October the opening days of the month were very mild, the maximum in most districts reaching nearly 60° F.; on the 3rd 61° F. was recorded at Banff and Gordon Castle. Temperatures, apart from one or two short cold snaps, continued rather above normal. On the 16th the screen minimum was 22° F. at Dalwhinnie, and 26° F. at Braemar and Balmoral; 26° F. was also recorded at Eskdalemuir on 22nd. Early morning ground frosts were reported from some place or another on all days except from 1st to 4th, 11th, 18th and 26th. On the morning of the 16th the temperature on the grass was 14° F. at Dalwhinnie, and at the same place on the 30th 18° F.

Rainfall aggregates in that part of Scotland north of a line extending from Skye to Aberdeenshire were below the average, whilst south of this line they were greatly in excess; the deficiency in the north was well marked in Caithness and Sutherland, while in the south the excess was most pronounced in south-western counties and around the Tay estuary. In the north it was locally the driest November on record, while in the south the wettest. At Rothesay it was the wettest November since at least 1800, at Colmonell since 1876, and at Arbroath since 1866 it has only once been equalled, *i.e.* in 1888, but never exceeded. Rainfall totals in northern districts were in places under two inches, whilst in the south ten inches or over were frequent. Another important feature of the rainfall was the frequency of heavy falls and the absence of dry days, both contributing in many areas to rather widespread flooding. The largest daily falls were 2·60 in. at Ardgour and 2·61 in. at Kinlochquhich on 2nd, and 2·51 in. at Eskdalemuir on the 3rd; at New Cumnock there were eight days with over an inch of rain, at Forrest Lodge and at Garroch, both in Kirkeudbrightshire, six and five days respectively. Many places only experienced one or two dry days, and these were mostly the 15th or 16th.

Thunderstorms occurred locally in the west on the 11th and 21st, and hail, snow or sleet also very locally on the 21st and 24th. Gales were experienced on 18 days, those around the 3rd, 18th, 23rd and 26th being perhaps the most widespread. Fogs were reported on 23 days, those occurring on the 13th, 16th, 19th and 30th being dense locally.

Sunshine aggregates differed little from average. Aurora was observed on nights of 3rd, 5th, 13th, 15th, 16th, 25th and 30th, that of 5th being seen as far south as Leuchars and Tiree.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 88.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, NOVEMBER 1931.

TOWNS.	POPULATION		BIRTHS.					MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.		REGISTERED			TRANSFERS		Total Corrected.
									Males.	Females.	Total.	Out.	In.	
GLASGOW, . . .	1,051,527	1,088,417	917	866	1783	1672	111	670	730	652	1382	133	37	1286
EDINBURGH, . .	420,264	438,998	277	238	565	534	31	258	237	243	480	65	12	427
DUNDEE, . . .	168,315	175,533	116	124	240	228	12	89	108	114	222	23	4	203
ABERDEEN, . .	158,963	167,259	134	119	253	234	19	128	98	85	183	28	6	161
PAISLEY, . . .	84,837	86,441	68	66	134	128	6	33	51	41	92	12	1	81
GREENOCK, . .	81,133	78,948	65	63	128	123	5	33	50	37	87	5	2	84
MOTHERWELL AND WISHAW, .	68,869	64,703	43	53	96	89	7	27	27	24	51	0	9	60
CLYDEBANK, . .	46,601	46,963	27	27	54	50	4	21	18	10	28	0	18	46
COATBRIDGE, . .	43,919	43,056	32	33	70	68	2	21	31	25	56	2	4	58
DUNFERMLINE, .	39,899	34,954	13	23	36	35	1	13	22	17	39	13	2	28
KIRKCALDY, . .	44,298	43,874	32	29	61	59	2	23	21	17	38	0	1	39
HAMILTON, . . .	39,504	37,863	42	37	79	76	3	16	17	16	33	3	7	37
KILMARNOCK, . .	35,969	38,099	24	23	52	49	3	18	29	24	53	14	5	44
AYR,	35,763	36,784	28	19	47	43	4	26	23	32	55	17	1	39
FALKIRK, . . .	34,419	36,565	25	32	57	55	2	11	25	15	40	9	2	33
PERTH,	33,208	34,807	20	20	40	37	3	27	23	33	56	18	0	38
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	1863	1832	3695	3480	215	1414	1510	1385	2895	342	111	2664

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, NOVEMBER 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		†Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·9	6·2	7·5	15·4	14·4	1·9	1·1	0·8	2·3	203	107
EDINBURGH, . .	15·7	5·5	7·2	13·3	11·8	0·3	0·6	0·4	2·0	31	52
DUNDEE, . . .	16·6	5·0	6·2	15·4	14·1	0·3	0·6	0·6	3·3	26	91
ABERDEEN, . .	18·4	7·5	9·3	13·3	11·7	0·4	0·6	0·6	2·0	19	72
PAISLEY, . . .	18·9	4·5	4·6	12·9	11·4	0·3	0·6	0·6	1·7	8	54
GREENOCK, . .	19·7	3·9	5·1	13·4	12·9	0·3	0·9	0·5	1·8	13	83
MOTHERWELL AND WISHAW, .	18·1	7·3	5·1	9·6	11·3	0·6	1·1	0·6	1·5	4	35
CLYDEBANK, . .	14·0	7·4	5·4	7·3	11·9	1·8	1·0	1·0	0·8	5	63
COATBRIDGE, . .	19·8	2·9	5·9	15·8	16·4	2·8	0·8	0·3	1·7	9	99
DUNFERMLINE, .	12·5	2·8	4·5	13·6	9·7	0·0	0·3	0·0	1·4	2	37
KIRKCALDY, . .	16·9	3·3	6·4	10·5	10·8	0·0	0·6	0·6	0·3	1	16
HAMILTON, . . .	25·4	3·8	5·1	10·6	11·9	1·6	1·3	0·6	1·6	6	75
KILMARNOCK, . .	16·6	5·8	5·7	16·9	14·1	0·6	1·0	0·6	2·6	5	82
AYR,	15·5	8·5	3·6	18·2	12·9	0·0	0·3	0·3	1·3	7	119
FALKIRK, . . .	19·0	3·5	3·7	13·3	11·0	0·0	0·3	0·3	1·3	2	33
PERTH,	14·0	7·5	9·4	19·6	13·3	0·3	0·3	0·3	1·0	3	60
TOTAL . . . (SIXTEEN TOWNS)	18·3*	5·8	7·0	14·4	13·2	1·1	0·9	0·6	2·1	344	85

* Based on the average number of births registered monthly during the past 12 months.
† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR NOVEMBER 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
NOV. 1931.	18.3	5.8	7.0	13.2	1	125	20	14	21	15	14	18	85	45.2
NOV. 1930.	18.3	6.1	6.1	13.2	2	11	5	23	19	34	11	19	97	40.5
NOV. 1929.	18.6	6.2	5.9	12.8	0	24	4	15	30	35	7	9	78	42.6
NOV. 1928.	19.9	6.4	5.8	13.2	1	3	6	12	21	42	8	18	98	44.3
NOV. 1927.	19.5	6.5	6.2	14.4	1	81	15	17	34	32	8	11	119	42.3
NOV. 1926.	21.2	5.5	6.2	15.5	3	5	11	8	28	35	4	14	111	40.9
NOV. 1925.	21.4	5.9	6.6	16.1	2	35	21	18	40	53	5	23	126	37.8
NOV. 1924.	21.1	6.8	6.2	15.1	0	60	29	77	29	71	3	13	103	44.2
NOV. 1923.	22.8	5.8	5.6	13.5	3	119	16	35	37	18	7	6	73	38.1
NOV. 1922.	21.9	6.7	6.6	14.9	5	75	18	52	33	37	3	11	102	43.3
NOV. 1921.	25.2	6.9	7.1	14.4	6	4	17	11	22	23	3	12	84	40.3

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—November 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over.		
1	Typhoid Fever (including Paratyphoid) -	1	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	
4	Measles - - - - -	125	79	46	42	74	9	-	-	-	-	-	-	-	-	-	-	
5	Scarlet Fever - - - - -	20	11	9	-	8	10	-	-	2	-	-	-	-	-	-	-	
6	Whooping-cough - - - - -	14	7	7	9	4	1	-	-	-	-	-	-	-	-	-	-	
7	Diphtheria - - - - -	21	10	11	1	9	7	3	-	-	1	-	-	-	-	-	-	
8	Influenza - - - - -	15	8	7	-	1	-	-	-	1	-	5	4	2	2	-	-	
14 (1)	Cerebro-spinal Fever - - - - -	14	8	6	4	4	3	-	2	-	-	-	1	-	-	-	-	
14 (2)	Other Epidemic Diseases* - - - - -	18	11	7	4	1	-	-	1	2	1	-	3	6	-	-	-	
10	Tuberculosis of Respiratory System - - - - -	125	61	64	1	2	1	2	36	26	27	18	8	2	2	-	-	
11	Other Tuberculous Diseases - - - - -	47	23	24	5	14	1	6	5	3	3	3	4	3	-	-	-	
14 (3)	Other Infectious and Parasitic Diseases - - - - -	10	5	5	1	-	-	-	-	1	1	4	1	1	1	-	-	
15	Cancer, Malignant Disease - - - - -	331	151	180	-	-	-	-	1	5	14	39	107	112	46	7	-	
18	Diabetes Mellitus - - - - -	31	15	16	-	-	-	-	2	-	-	6	9	11	3	-	-	
20	Other General Dis., Chronic Poisonings - - - - -	48	20	28	3	2	2	1	3	4	4	9	9	6	4	1	-	
22	Cerebral Hemorrhage, &c. - - - - -	261	114	147	1	-	-	1	1	2	6	13	67	107	56	7	-	
23	Oth. Dis. of Nervous System & Sense Org. - - - - -	73	42	31	11	4	2	2	9	3	6	15	8	6	6	1	-	
24	Heart Disease - - - - -	358	177	181	1	3	2	-	7	11	11	45	69	111	80	18	-	
25	Other Circulatory Diseases - - - - -	43	23	20	2	-	-	-	-	1	-	-	6	14	12	8	-	
26	Bronchitis - - - - -	159	77	82	15	1	-	-	1	3	5	18	28	41	36	11	-	
27	Pneumonia (all forms) - - - - -	233	154	79	49	46	6	-	5	12	14	19	24	42	14	2	-	
28	Other Respiratory Diseases - - - - -	34	15	19	1	3	-	-	1	-	3	1	8	9	6	2	-	
32 (1)	Gastric and Duodenal Ulcer - - - - -	21	17	4	-	-	-	-	3	4	3	5	3	3	-	-	-	
29	Diarrhea, &c. (all ages) - - - - -	68	42	26	16	8	2	-	-	-	1	1	3	3	4	-	-	
30	Appendicitis - - - - -	20	12	8	-	1	4	3	2	1	2	2	3	1	1	-	-	
31 (1)	Cirrhosis of Liver - - - - -	5	1	4	-	-	-	-	-	-	-	-	2	1	2	-	-	
31 (2)	Other Diseases of Liver, &c. - - - - -	17	5	12	-	-	-	-	-	-	-	3	5	3	3	3	-	
32 (2)	Other Digestive Diseases - - - - -	46	21	25	4	1	2	1	3	4	3	5	5	9	8	1	-	
33	Acute and Chronic Nephritis - - - - -	68	37	31	-	4	2	-	2	-	5	15	20	14	6	-	-	
34	Other Dis. of Genito-Urinary System - - - - -	36	23	10	2	-	-	-	2	-	1	6	4	12	7	2	-	
35	Puerperal Sepsis - - - - -	11	-	11	-	-	-	-	2	7	2	-	-	-	-	-	-	
36	Other Puerperal Causes - - - - -	21	-	21	-	-	-	-	4	10	7	-	-	-	-	-	-	
37	Diseases of Skin and Locomotor System - - - - -	18	10	8	4	-	3	-	-	1	-	1	3	3	2	1	-	
38	Congen. Debil., Prem. Birth, Malform., &c. - - - - -	138	84	54	136	2	-	-	-	-	-	-	-	-	-	-	-	
39	Old Age - - - - -	78	30	48	-	-	-	-	-	-	-	-	-	13	48	17	-	
40	Suicide - - - - -	19	13	6	-	-	-	1	-	2	5	5	2	4	-	-	-	
42	Other Violence - - - - -	78	51	27	1	7	4	-	7	6	6	9	14	9	14	1	-	
43	Causes Ill-defined or Unknown - - - - -	39	25	14	1	3	-	-	-	3	1	6	7	12	5	1	-	
ALL CAUSES -		2664	1385	1279	344	202	61	20	99	115	132	253	427	560	368	83	-	

* See note (†), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	3	...
4	Measles	125	108	...	...	...	...	...	3	5
5	Scarlet Fever	20	17	...	...	...	...	1	...	...
6	Whooping-cough	14	7	3	...	4	...	...	...	...
7	Diphtheria	21	15	1	...	...	1	...	...	1
8	Influenza	15	6	4	1	...	1	1	...	...
14 (1)	Cerebro-spinal Fever	14	8	1	...	...	2	...	...	1
14 (2)	Other Epidemic Diseases*	18	11	1	3	1	2	...	...	...
10	Tuberculosis of Respiratory System ...	125	71	14	8	8	4	3	3	4
11	Other Tuberculous Diseases	47	26	9	...	...	...	3	3	...
14 (3)	Other Infectious and Parasitic Diseases	10	3	5	1	...	1	...	...	...
15	Cancer, Malignant Disease	331	131	67	28	22	16	10	12	2
18	Diabetes Mellitus	31	10	7	2	2	1	...	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	48	24	4	4	4	2	1	1	1
22	Cerebral Hæmorrhage, &c.	261	109	44	22	18	8	12	4	4
23	Oth. Dis. of Nerv. Syst. and Sense Org.	73	30	11	8	8	2	1	1	4
24	Heart Disease	358	137	83	33	25	12	12	7	3
25	Other Circulatory Diseases	43	18	10	1	9	1	1	1	...
26	Bronchitis	159	65	33	15	15	3	6	6	2
27	Pneumonia (all forms)	233	121	34	29	12	9	6	2	1
28	Other Respiratory Diseases	34	23	4	4	1	...	...	...	...
32 (1)	Gastric and Duodenal Ulcer	21	9	4	4	...	...	...	...	1
29	Diarrhoea, &c. (all Ages)	68	44	11	1	2	1	2	2	...
30	Appendicitis	20	12	1	2	1	1	...	...	2
31 (1)	Cirrhosis of Liver	5	2	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c.	17	7	2	1	3	...	...	1	1
32 (2)	Other Digestive Diseases	46	13	9	6	2	2	1	1	1
33	Acute and Chronic Nephritis	68	33	6	7	4	2	2	1	1
34	Oth. Diseases of Genito-Urinary System	36	18	7	1	4	...	2	...	...
35	Puerperal Sepsis	11	7	2	...	...	...	...	...	1
36	Other Puerperal Causes	21	11	2	...	1	2	1	2	1
37	Dis. of Skin, and of Locomotor System	18	10	2	1	1	...	1	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	138	75	17	10	8	3	6	1	2
39	Old Age	78	36	13	2	1	...	7	5	2
40	Suicide	19	6	5	3	1	...	...	...	2
42	Other Violence	78	38	8	6	4	4	2	3	1
43	Causes Ill-defined or Unknown ...	39	24	3	...	...	1	3	...	2
	All Causes ...	2664	1286	427	203	161	81	84	60	46
	AGE AT DEATH.									
	Under 1	344	203	31	26	19	8	13	4	5
	1- 4	202	150	11	5	3	4	1	5	4
	5- 9	61	36	2	3	4	4	1	2	2
	10-14	20	13	3	1	...	...	1	1	...
	15-24	99	55	10	6	9	2	2	2	5
	25-34	115	57	17	10	6	...	4	4	3
	35-44	132	65	21	7	8	6	2	4	3
	45-54	253	119	45	18	11	10	11	4	5
	55-64	427	197	80	35	21	16	16	11	3
	65-74	560	232	105	51	41	20	14	13	11
	75-84	368	133	79	33	31	8	17	8	3
	85 and over	83	26	23	8	8	3	2	2	2
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages ...	2664	1286	427	203	161	81	84	60	46

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—November 1931—*continued*.

Intern'l Short List Nos	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	9	...	...	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	1	...	...	...
6	Whooping-cough ... ..	...	...	...	...	...	...	...	...
7	Diphtheria ... ..	...	...	...	3	...	...	...	...
8	Influenza... ..	...	...	...	...	1	...	...	1
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	2	...	...	...	...
14 (2)	Other Epidemic Diseases*	...	...	...	...	...	...	...	...
10	Tuberculosis of Respiratory System	1	...	2	2	2	1	1	1
11	Other Tuberculous Diseases	2	1	...	2	1	...	...	...
14 (3)	Other Infectious and Parasitic Diseases	...	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	11	6	4	5	4	6	3	4
18	Diabetes Mellitus	2	1	...	1	2	1	1	...
20	Oth. Gen. Diseases, Chronic Poisonings	...	1	2	...	...	2	1	1
22	Cerebral Hæmorrhage, &c.	7	2	8	2	8	5	2	6
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	...	1	2	2	...	...	2
24	Heart Disease	2	5	10	2	6	6	5	10
25	Other Circulatory Diseases ... ..	...	...	...	...	1	...	...	1
26	Bronchitis	2	3	...	2	5	...	1	1
27	Pneumonia (all forms)	4	1	1	3	2	4	3	1
28	Other Respiratory Diseases ... ..	...	...	...	...	1	...	...	1
32 (1)	Gastric and Duodenal Ulcer ... ..	...	1	...	...	1	...	1	...
29	Diarrhœa, &c. (all Ages) ... ..	...	...	...	1	1	2	...	1
30	Appendicitis ... ..	...	...	...	...	...	1	...	...
31 (1)	Cirrhosis of Liver	1	...	...	...	...	...	1	1
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	1	...	1	...	...	...
32 (2)	Other Digestive Diseases	1	1	1	1	...	3	3	1
33	Acute and Chronic Nephritis	1	1	2	1	1	2	3	1
34	Oth. Diseases of Genito-Urinary System	...	1	...	2	...	...	1	...
35	Puerperal Sepsis ... ..	...	...	1	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	...	...	1	...	...	...	...
37	Dis. of Skin, and of Locomotor System	...	...	1	...	...	...	...	1
38	Congenital Debility, Premature Birth, Malformations, &c.	5	1	1	2	1	3	1	2
39	Old Age	2	1	1	1	1	1	3	2
40	Suicide ... ..	...	...	1	...	...	...	1	...
42	Other Violence	4	2	...	2	2	1	1	...
43	Causes Ill-defined or Unknown	2	...	2	...	...	1	1	...
All Causes		58	28	39	37	44	39	33	38
AGE AT DEATH.									
Under 1	...	9	2	1	6	5	7	2	3
1-4	...	6	1	...	5	2	4	...	1
5-9	...	3	...	...	1	2	1	...	...
10-14	...	...	...	...	1	...	...	...	...
15-24	...	1	1	...	2	1	...	...	3
25-34	...	3	1	4	...	1	2	2	1
35-44	...	2	...	3	5	1	1	3	1
45-54	...	5	6	3	...	6	4	4	2
55-64	...	8	3	7	3	8	3	8	8
65-74	...	14	5	13	6	6	11	7	11
75-84	...	7	8	7	7	8	5	7	7
85 and over	...	...	1	1	1	4	1	...	1
Not stated	...	...	...	...	...	...	...	...	...
All Ages		58	28	39	37	44	39	33	38

* See note (+), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of NOVEMBER 1931.

OBSERVERS.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRECIPITATION.		WIND DIRECTIONS													
	feet.	Mean at Station-level and 32°.	Mean at Sea-level and 32°.	Mean of		Difference from Average.	Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.										
				Maximum (A.)	Minimum (B.)		Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.				N	NE	E	SE	S	SW	W	NW	Calm or Variable.		
GLASGOW, J. R. CURRIE, M.D., The University.	139	29.452	29.607	49.3	41.6	45.5	+2.9	57	2, 3	35	16, 22	45.7	1.9	.266	85	24	6.18	inch.	0	4	6	10	16	12	4	0	8	
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.153	29.635	48.8	41.9	45.3	+3.1	58	3rd	34	22nd	44.6	1.7	.260	86	22	4.16	inch.	0	0	3	9	16	11	4	2	15	
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.446	29.628	47.9	40.4	44.1	+2.8	56	3rd	30	22nd	43.9	1.2	.260	90	22	4.82	inch.	1	5	0	26	0	20	0	8	0	
ABERDEEN,* The Meteorological Office.	85	29.507	29.608	49.5	43.4	46.5	+4.4	58	3rd	34	22, 30	46.1	1.5	.280	89	17	4.39	inch.	0	1	0	10	25	9	5	2	8	
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.474	29.594	49.0	42.5	45.7	+2.7	56	2, 3	34	30th	45.1	1.3	.270	89	26	7.35	inch.	0	0	9	10	17	5	1	1	17	
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.371	29.631	49.6	41.7	45.7	+3.0	57	2nd	36	19th	45.4	1.6	.260	87	27	8.97	inch.	1	3	17	6	20	8	4	0	1	
PERTH,† J. RITCHIE, The Museum.	22	29.557	29.581	48.7	38.4	43.5	+2.4	58	2 3	30	22nd	42.5	1.1	.250	91	26	5.33	inch.	2	0	0	25	0	27	0	6	0	
Means	170	29.423	29.612	49.0	41.4	45.2	+3.1	..	..	..	..	44.8	1.5	.264	88	23	5.89	inch.	1	2	5	14	13	13	2	3	7

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'. West Longitude.—Glasgow, 4° 17'; Edinburgh, 8 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46' Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 56° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.

MONTHLY RETURN
OF THE
Births, Deaths, and Marriages
IN
Sixteen of the Principal Towns of Scotland
DECEMBER 1931.

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REPORT

During the month of December 1931 there were registered in the Sixteen Principal Towns of Scotland the births of 3,885 living children, of whom 1,975 were males and 1,910 were females. Compared with the number in the previous month, births of male children are 112 more, of female children 78 more, and of children of both sexes 190 more. The monthly birth-rate in these towns taken collectively was 18·6 per thousand. This rate is 0·3 more than in the previous month, but is 1·3 less than the average for December.

In the individual towns the monthly birth-rate varied from 25·8 in Hamilton, 21·1 in Coatbridge, 20·7 in Aberdeen and 20·7 in Motherwell and Wishaw, to 15·0 in Edinburgh, 15·8 in Kirkcaldy, and 17·7 in Dundee. In Falkirk this rate was 20·3, in Perth 20·3, in Clydebank 20·1, in Paisley 19·6, in Glasgow 19·3, in Kilmarnock 19·2, in Ayr 19·2, in Greenock 18·9 and in Dunfermline 17·9.

Of the 3,885 living children whose births were registered during the month, 3,651, or 94·0 per cent., were legitimate, while 234, or 6·0 per cent., were illegitimate. The legitimate children numbered 171 more than in the previous month, and the illegitimate children 19 more. The illegitimate rate for the month is 0·2 more than in the previous month. In the individual towns the illegitimate birth-rate ranged from 8·3 in Dundee, 7·9 in Edinburgh, 7·8 in Aberdeen and 7·8 in Coatbridge, to 1·3 in Clydebank, 1·7 in Perth and 3·1 in Greenock. In Glasgow this rate was 5·7.

Marriages registered during the month numbered 1,905 and equalled a marriage-rate of 9·1 per thousand. This number is 491 more than in the previous month, while the rate is 2·1 more, but is 0·6 less than the average. In the individual towns the marriage-rate ranged from 11·2 in Aberdeen, 10·9 in Ayr, and 10·5 in Perth, to 5·7 in Coatbridge, 6·4 in Greenock and 6·4 in Falkirk. In Glasgow the rate was 9·4, in Edinburgh 10·1 and in Dundee 7·4.

NOTE.—The averages used for comparison are the means of the same rates in the corresponding months of the five preceding years.

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Deaths registered in these towns during the month numbered 3,154, and are 259 more than in the previous month. Deducting deaths of persons with usual residence in Scotland but outwith the town of registration, and adding those of persons dying elsewhere in Scotland but with usual residence in one or other of these towns, the corrected number is found to be 2,934, of whom 1,467 were males and 1,467 were females. The corrected number is 270 more than in the previous month, males being 82 more and females 188 more.

The monthly death-rate taken collectively and based upon the corrected number of deaths was 14·1 per thousand, being 0·9 more than in the previous month, but 1·5 less than the average. In the individual towns the monthly death-rate varied from 16·6 in Kirkcaldy, 15·8 in Falkirk and 15·2 in Dundee, to 10·2 in Kilmarnock, 11·1 in Dunfermline and 11·9 in Greenock. In Glasgow the rate was 14·5, in Paisley 14·4, in Motherwell and Wishaw 14·4, in Clydebank 14·3, in Edinburgh 13·9, in Perth 13·5, in Aberdeen 13·0, in Hamilton 12·7, in Ayr 12·2 and in Coatbridge 12·0.

Deaths of children of less than one year old numbered 417, and equalled an infantile mortality rate of 100 per thousand of the average number of births registered monthly in these towns during the preceding twelve months. These deaths numbered 73 more than in the previous month. The infantile mortality rate is 15 more than in the previous month, but 18 less than the average. In the individual towns this rate ranged from 129 in Falkirk, 117 in Glasgow, 110 in Dundee and 110 in Clydebank, to 0 in Dunfermline, 25 in Greenock and 36 in Hamilton. In Edinburgh this rate was 107, in Coatbridge 99, in Paisley 86, in Ayr 82, in Kirkcaldy 78, in Perth 77, in Motherwell and Wishaw 76, in Aberdeen 73 and in Kilmarnock 63.

Deaths from the principal epidemic diseases (Nos. 1 to 18 of the International List, 1929 revision) numbered 250, and equalled a death-rate from these causes of 1·2 per thousand. These deaths numbered 22 more than in the previous month, and included 1 from typhoid fever, 147 from measles (of which 126 occurred in Glasgow), 5 from scarlet fever, 21 from whooping-cough, 19 from diphtheria, 27 from influenza, 16 from cerebro-spinal fever, and 14 from other epidemic diseases, of which 8 were ascribed to erysipelas, 4 to lethargic encephalitis and 2 to dysentery. Compared with the number in the previous month, deaths from measles are 22 more, from influenza 12 more, from whooping-cough 7 more and from cerebro-spinal fever 2 more, but those from typhoid fever number the same, while from diphtheria they are 2 fewer, from other epidemic diseases 4 fewer and from scarlet fever 15 fewer.

Deaths attributed to respiratory diseases other than tubercular, but exclusive of those associated with influenza, numbered 450, and equalled a rate of 2·2 per thousand. Compared with the number in the previous month these deaths are 24 more, while the rate is 0·1 more, but is 1·3 less than the average.

Deaths from all forms of tuberculosis numbered 193, of which 143 were ascribed to tuberculosis of the respiratory system. Compared with the number in the previous month, deaths from all forms of tuberculosis are 21 more, and from tuberculosis of the respiratory system 18 more. Compared with the average number for December the former are 19 fewer and the latter 16 fewer.

METEOROLOGICAL NOTES supplied by the Meteorological Office, Edinburgh.

DECEMBER 1931.

Mean barometric pressure, 30·073 in. ; greater than the average of 1881-1915 by 0·331 in.

Mean temperature, 43°·0 F. ; greater by 4°·2 F.

Mean daily range of temperature, 7°·6 F. ; less by 1°·3 F.

Rain, depth in inches, 2·85 ; less by 1·20 in.

Wind, direction of : a four days' excess of south-westerly winds.

With barometric pressure high generally to the south and low to the north of Scotland, rather mild south-westerly to westerly winds predominated throughout most of the month. Secondaries moving north-eastwards off our western seaboard gave rise to more rain in the west than in the east with winds reaching gale force at times, particularly along the north-western seaboard. Barometric pressure was generally above normal, the extremes at Edinburgh being 30·69 in. on 20th and 29·08 in. on 3rd.

Cold spells were located about the middle and at the end of the month ; the mean temperature however for the month was much above normal. An exceptionally mild spell centred around the 23rd and 24th, when very high maxima for the season were recorded, 61° F. being registered in the shade at Aberdeen on the 24th, and on the same day 60° F. at Gordon Castle and Craibstone. The lowest screen minima reported were 20° F. at Balmoral on the 16th and at Balerno on 31st, and 16° F. at Dalwhinnie on the 31st. Ground frosts occurred somewhere or another on each night excepting the 3rd, 10th, 24th and 27th, being most frequent during the above-mentioned cold spells. The grass minimum at Renfrew on 31st dropped to 12° F., and on the same date at Dalwhinnie and Balmoral to 13° F.

Along the western seaboard, in the Orkneys and in the Shetlands rainfall aggregates were above the normal, while over eastern, central and southern areas together with Caithness and parts of Sutherland they were below normal, deficiency being most marked along or near the eastern seaboard between Aberdeen and the border district, large areas in this section having less than 30 per cent. of the average. In the west and north-west some places had only one or two dry days, while in the east some had only six wet days. At Marchmont, with the exception of 1926, it was the driest December since 1868. At Dirliton the total for the month was only 0·33 in., at Inchkeith 0·39 in. and at North Berwick 0·46 in., while at Benmore (Mull) it was 17·80 in. and at Kinlochquoich 22·15 in. At Arrochar from 2nd to 8th inclusive the rainfall totalled 5·34 in. At Kinlochquoich there were 8 days with over an inch of rain, the wettest being 3·24 in. on 2nd, and the next 3·00 in. on 23rd ; at Glenshiel, Ross-shire, there were six such days, while Fort William and Ardgour had 5.

Thunderstorms occurred locally on 3rd, 5th, 6th, 8th, 9th and between 27th and 30th, and gales between the 2nd and 5th and again between 22nd and 29th, those around 3rd, 25th and 27th being the most widespread. Sleet or hail showers were reported on 5th, 9th, 15th and frequently between 25th and 30th, while snow was fairly general between 28th and 31st. Snow lay 6 in. deep at Balmoral on 30th and 7 in. at Achnashellach on 31st. Fog was noted on 10 days, being dense locally on 20th and 21st.

In southern and south-eastern districts sunshine aggregates were sub-normal, while in the north and north-east they were above the average. Aurora was observed locally in the north on the nights of 1st, 5th, 11th, 13th, 14th, 17th, 22nd, 23rd and 31st.

NOTE.—The mean values refer to those of the Principal Towns named in meteorological Table on p. 96.

TABLE I.—ABSTRACT OF BIRTHS, DEATHS, AND MARRIAGES
in the Principal Towns, DECEMBER 1931.

TOWNS.	POPULATION		BIRTHS.						MARRIAGES.	DEATHS.					
	Census 1921.	Census 1931. (Pre- liminary.)	Males.	Females.	Total.	Legiti- mate.	Illegiti- mate.	REGISTERED			TRANSFERS		Total Corrected.		
								Males.		Females.	Total.	Out.		In.	
GLASGOW, . . .	1,051,527	1,088,417	906	880	1786	1635	101	873	749	700	1449	141	35	1343	
EDINBURGH, . .	420,264	438,998	277	282	559	515	44	375	306	279	585	83	16	518	
DUNDEE, . . .	168,315	175,533	137	127	264	242	22	110	105	128	233	15	9	227	
ABERDEEN, . .	158,963	167,259	150	144	294	271	23	159	102	114	216	38	6	184	
PAISLEY, . . .	84,837	86,441	58	86	144	139	5	55	57	54	111	10	5	106	
GREENOCK, . .	81,133	78,948	73	54	127	123	4	43	35	46	81	3	2	80	
MOTHERWELL AND WISHAW, .	68,869	64,703	57	57	114	106	8	40	25	38	63	0	16	79	
CLYDEBANK, . .	46,601	46,963	36	44	80	79	1	27	15	29	44	3	16	57	
COATBRIDGE, .	43,919	43,056	49	28	77	71	6	21	24	13	37	0	7	44	
DUNFERMLINE, .	39,899	34,954	28	25	53	51	2	23	19	20	39	8	2	33	
KIRKCALDY . .	44,298	43,874	28	31	59	55	4	36	39	26	65	7	4	62	
HAMILTON, . .	39,504	37,863	43	40	83	77	6	26	16	23	39	3	5	41	
KILMARNOCK, .	35,969	38,099	34	28	62	59	3	32	19	16	35	7	5	33	
AYR,	35,763	36,784	29	31	60	58	2	34	25	21	46	12	4	38	
FALKIRK, . . .	34,419	36,565	38	25	63	61	2	20	35	23	58	11	2	49	
PERTH,	33,208	34,807	32	28	60	59	1	31	25	28	53	15	2	40	
TOTAL (SIXTEEN TOWNS)	2,387,488	2,453,319	1975	1910	3885	3651	234	1905	1596	1558	3154	356	136	2934	

TABLE II.—BIRTH-RATES, DEATH-RATES, AND MARRIAGE-RATES
in the Principal Towns, DECEMBER 1931.

TOWNS.	Birth- Rate per 1000 of Popu- lation.	Illegiti- mate Birth- Rate per 100 Births.	Marriage- Rate per 1000 of Popu- lation.	DEATH-RATES PER 1000 of POPULATION FROM						DEATHS UNDER ONE YEAR OF AGE.	
				All Causes.		† Principal Epidemic Diseases.	All Tuber- culosis.	Tuberc. of Respiratory System.	All Re- spiratory Diseases.	Number.	* Rate per 1000 Births.
				Regis- tered.	Corr. for Trans- fers.						
GLASGOW, . . .	19·3	5·7	9·4	15·7	14·5	2·0	1·0	0·8	2·0	227	117
EDINBURGH, . .	15·0	7·9	10·1	15·7	13·9	0·3	0·9	0·7	2·7	65	107
DUNDEE, . . .	17·7	8·3	7·4	15·6	15·2	0·6	0·5	0·3	3·3	32	110
ABERDEEN, . . .	20·7	7·8	11·2	15·2	13·0	0·2	0·8	0·4	2·1	20	73
PAISLEY, . . .	19·6	3·5	7·5	15·1	14·4	1·5	0·8	0·7	1·0	13	86
GREENOCK, . . .	18·9	3·1	6·4	12·1	11·9	0·7	0·6	0·6	1·5	4	25
MOTHERWELL AND WISHAW, . .	20·7	7·0	7·3	11·5	14·4	0·7	0·5	0·2	1·3	9	76
CLYDEBANK, . .	20·1	1·3	6·8	11·0	14·3	1·5	1·3	1·0	1·3	9	110
COATBRIDGE, . .	21·1	7·8	5·7	10·1	12·0	1·9	1·1	1·1	0·5	9	99
DUNFERMLINE, . .	17·9	3·8	7·7	13·1	11·1	0·0	0·3	0·3	1·0	0	0
KIRKCALDY, . .	15·8	6·8	9·7	17·4	16·6	1·3	0·8	0·8	2·1	5	78
HAMILTON, . . .	25·8	7·2	3·1	12·1	12·7	0·0	1·2	0·9	2·8	3	36
KILMARNOCK, . .	19·2	4·8	9·9	10·8	10·2	0·3	0·6	0·3	1·5	4	63
AYR,	19·2	3·3	10·9	14·7	12·2	0·3	1·9	1·3	2·9	5	82
FALKIRK, . . .	20·3	3·2	6·4	18·7	15·8	0·6	1·3	0·0	2·3	8	129
PERTH,	20·3	1·7	10·5	17·9	13·5	0·3	1·0	1·0	2·7	4	77
TOTAL . . . (SIXTEEN TOWNS)	18·6	6·0	9·1	15·1	14·1	1·2	0·9	0·7	2·2	417	100

* Based on the average number of births registered monthly during the past 12 months.

† See note (†), Table III.

TABLE III.—BIRTH-RATE, DEATH-RATE, &c. FOR DECEMBER 1931, and for the Corresponding Month of the Preceding Ten Years, in the PRINCIPAL TOWNS.

MONTH.	Birth-Rate.	Illegitimate Birth-rate per 100 Births.	Marriage-Rate.	Death-Rate.	DEATHS FROM								† Infantile Mortality Rate.	Mean Temperature (Seven Towns only).
					*Typhoid Fever.	Measles.	Scarlet Fever.	Whooping-Cough.	Diphtheria.	Influenza.	Cerebro-spinal Fever.	† Other Epidemic Diseases.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
DEC. 1931, .	18·6	6·0	9·1	14·1	1	147	5	21	19	27	16	14	100	43°·0
DEC. 1930, .	20·3	6·1	10·1	16·6	0	8	5	43	40	42	9	23	136	39°·7
DEC. 1929, .	18·8	6·8	10·6	14·3	3	51	13	15	31	25	10	11	93	40°·9
DEC. 1928, .	19·5	6·7	10·0	14·1	0	2	6	23	24	49	10	22	96	38°·6
DEC. 1927, .	20·3	6·6	9·3	18·2	2	193	9	49	51	60	11	14	146	35°·7
DEC. 1926, .	20·6	6·4	8·6	14·9	2	12	21	18	39	42	11	21	118	40°·4
DEC. 1925, .	22·6	6·6	8·5	18·7	1	67	21	33	42	72	7	21	122	35°·1
DEC. 1924, .	21·3	7·1	9·7	16·7	4	96	34	166	29	111	6	14	125	44°·5
DEC. 1923, .	22·7	6·7	9·8	16·1	2	190	21	57	32	32	4	7	98	37°·8
DEC. 1922, .	24·1	7·1	9·0	14·2	3	92	20	53	34	48	11	17	113	41°·3
DEC. 1921, .	26·1	6·3	10·0	14·7	2	77	14	26	32	43	8	28	89	43°·3

Figures in columns 5-14 have been corrected for non-resident deaths.

* Including Paratyphoid from 1931.

† Typhus, Smallpox, Dysentery, Erysipelas, Acute Poliomyelitis, Lethargic Encephalitis.

‡ Per 1000 of the average number of births registered monthly during the past 12 months.

AGGREGATE OF THE SIXTEEN PRINCIPAL TOWNS—December 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Males.	Females.	Age.													
					-1	1-	5-	10-	15-	25-	35-	45-	55-	65-	75-	85 & over		
1	Typhoid Fever (including Paratyphoid) -	1	1	-	-	-	-	-	-	-	-	-	-	1	-	-		
4	Measles - - - - -	147	81	66	43	99	5	-	-	-	-	-	-	-	-	-		
5	Scarlet Fever - - - - -	5	2	3	-	2	2	-	-	-	-	1	-	-	-	-		
6	Whooping-cough - - - - -	21	7	14	13	8	-	-	-	-	-	-	-	-	-	-		
7	Diphtheria - - - - -	19	8	11	1	11	4	1	2	-	-	-	-	-	-	-		
8	Influenza - - - - -	27	10	17	4	3	-	-	-	2	-	4	2	5	7	-		
14 (1)	Cerebro-spinal Fever - - - - -	16	11	5	10	4	-	1	1	-	-	-	-	-	-	-		
14 (2)	Other Epidemic Diseases* - - - - -	14	6	8	1	-	1	-	1	3	1	2	2	1	2	-		
10	Tuberculosis of Respiratory System - - - - -	143	79	64	-	5	1	1	33	32	25	25	13	5	3	-		
11	Other Tuberculous Diseases - - - - -	50	30	20	5	15	8	2	6	2	4	7	-	1	-	-		
14 (3)	Other Infectious and Parasitic Diseases - - - - -	23	16	7	5	2	-	-	1	1	3	4	4	1	2	-		
15	Cancer, Malignant Disease - - - - -	337	151	186	-	1	-	-	2	5	22	45	116	108	37	1		
18	Diabetes Mellitus - - - - -	31	8	23	-	-	-	-	2	-	2	1	11	11	2	2		
20	Other General Dis., Chronic Poisonings - - - - -	67	23	44	-	1	4	2	4	3	8	21	10	10	4	-		
22	Cerebral Hæmorrhage, &c. - - - - -	296	135	161	2	-	-	-	-	1	8	24	59	110	76	16		
23	Oth. Dis. of Nervous System & Sense Org. - - - - -	76	43	33	10	6	1	2	2	7	9	17	15	4	2	1		
24	Heart Disease - - - - -	418	222	196	-	2	-	6	10	9	17	43	95	132	81	23		
25	Other Circulatory Diseases - - - - -	57	29	28	-	-	-	1	-	1	-	1	7	16	21	10		
26	Bronchitis - - - - -	144	70	74	21	2	1	-	1	2	4	10	24	47	23	9		
27	Pneumonia (all forms) - - - - -	275	154	121	81	60	6	2	9	12	14	18	27	24	16	6		
28	Other Respiratory Diseases - - - - -	31	19	12	1	2	-	1	-	1	3	1	5	7	8	2		
32 (1)	Gastric and Duodenal Ulcer - - - - -	27	19	8	-	-	-	-	2	-	3	3	9	7	2	1		
29	Diarrhoea, &c. (all ages) - - - - -	50	27	23	41	3	-	-	-	2	-	-	1	1	2	-		
30	Appendicitis - - - - -	23	9	14	-	1	4	-	2	-	6	3	4	2	1	-		
31 (1)	Cirrhosis of Liver - - - - -	5	4	1	-	-	-	-	-	-	-	4	-	1	-	-		
31 (2)	Other Diseases of Liver, &c. - - - - -	12	4	8	-	-	-	-	-	1	1	4	1	4	-	1		
32 (2)	Other Digestive Diseases - - - - -	41	18	23	3	1	1	1	1	4	4	6	8	7	3	2		
33	Acute and Chronic Nephritis - - - - -	64	34	30	-	2	-	-	-	1	9	13	15	18	4	2		
34	Other Dis. of Genito-Urinary System - - - - -	44	23	21	2	1	-	-	2	1	3	4	4	16	11	-		
35	Puerperal Sepsis - - - - -	14	-	14	-	-	-	-	3	6	5	-	-	-	-	-		
36	Other Puerperal Causes - - - - -	15	-	15	-	-	-	-	7	8	-	-	-	-	-	-		
37	Diseases of Skin and Locomotor System - - - - -	19	11	8	6	-	-	1	-	1	1	2	4	3	1	-		
38	Congen. Debil., Prem. Birth, Malform., &c. - - - - -	163	92	71	162	-	-	1	-	-	-	-	-	-	-	-		
39	Old Age - - - - -	108	33	75	-	-	-	-	-	-	-	-	-	21	57	30		
40	Suicide - - - - -	21	13	8	-	-	-	-	-	4	4	3	7	3	-	-		
42	Other Violence - - - - -	94	56	38	6	7	11	4	3	8	7	8	6	20	10	4		
43	Causes Ill-defined or Unknown - - - - -	36	19	17	-	1	-	-	1	3	1	9	9	8	3	1		
	ALL CAUSES -	2934	1467	1467	417	239	49	26	95	120	164	283	458	594	378	111		

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1931.

Intern'l Short List Nos.	CAUSES OF DEATH.	Total.	Glasgow.	Edinburgh.	Dundee.	Aberdeen.	Paisley.	Greenock.	Motherwell and Wishaw.	Clydebank.
1	Typhoid Fever (including Paratyphoid)	1	1	...	...	...	...	...	...	...
4	Measles	147	126	...	...	...	8	...	2	4
5	Scarlet Fever	5	2	...	...	1	...	...	...	...
6	Whooping-cough	21	11	2	2	2	...	1	2	...
7	Diphtheria	19	12	...	4	...	1	1	...	...
8	Influenza	27	10	6	3	...	2	2	...	...
14 (1)	Cerebro-spinal Fever	16	13	2	...	...	...	...	...	...
14 (2)	Other Epidemic Diseases*	14	7	3	...	...	...	1	...	2
10	Tuberculosis of Respiratory System ...	143	73	26	5	6	5	4	1	4
11	Other Tuberculous Diseases	50	22	8	3	5	1	...	2	1
14 (3)	Other Infectious and Parasitic Diseases	23	11	4	4	2	1	...	...	...
15	Cancer, Malignant Disease	337	135	67	27	23	17	12	9	8
18	Diabetes Mellitus	31	15	7	3	3	...	2	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	67	30	13	6	4	2	3	1	1
22	Cerebral Hæmorrhage, &c.	296	115	50	23	21	20	8	10	8
23	Oth. Dis. of Nerv. Syst. and Sense Org.	76	35	13	5	3	4	4	...	1
24	Heart Disease	418	177	82	37	38	12	7	9	12
25	Other Circulatory Diseases	57	20	7	7	6	3	2	2	...
26	Bronchitis	144	62	26	17	7	1	2	5	3
27	Pneumonia (all forms)	275	120	73	25	16	6	6	2	2
28	Other Respiratory Diseases	31	7	3	7	7	...	2	...	...
32 (1)	Gastric and Duodenal Ulcer	27	9	8	1	1	...	...	2	...
29	Diarrhœa, &c. (all Ages)	50	37	4	3	...	3	1	...	...
30	Appendicitis	23	10	5	2	2	...	...	1	...
31 (1)	Cirrhosis of Liver	5	...	...	1	2	...	1	1	...
31 (2)	Other Diseases of Liver, &c.	12	6	...	2	...	1	2	1	...
32 (2)	Other Digestive Diseases	41	15	9	3	1	3	3	1	2
33	Acute and Chronic Nephritis	64	20	15	4	4	4	4	4	1
34	Oth. Diseases of Genito-Urinary System	44	20	12	1	6	1	2	...	...
35	Puerperal Sepsis	14	6	3	...	...	...	...	1	...
36	Other Puerperal Causes	15	5	3	1	2	...	1	2	...
37	Dis. of Skin, and of Locomotor System	19	8	2	2	...	...	1	2	...
38	Congenital Debility, Premature Birth, Malformations, &c.	163	82	25	11	8	5	3	5	5
39	Old Age	108	39	26	6	6	1	3	6	3
40	Suicide	21	9	2	2	2	1	...	3	...
42	Other Violence	94	51	10	9	5	2	1	5	...
43	Causes Ill-defined or Unknown	36	22	2	1	1	2	1	...	...
	All Causes	2934	1343	518	227	184	106	80	79	57
	AGE AT DEATH.									
	Under 1	417	227	65	32	20	13	4	9	9
	1-4	239	165	21	10	7	7	8	2	3
	5-9	49	21	6	5	3	2	1	4	1
	10-14	26	14	1	3	1	1	2	...	...
	15-24	95	47	16	8	3	3	2	3	3
	25-34	120	60	17	12	4	5	3	7	2
	35-44	164	79	29	11	8	6	6	6	1
	45-54	283	120	54	17	17	11	11	8	10
	55-64	458	181	82	40	36	14	15	11	12
	65-74	594	245	113	46	44	25	12	20	10
	75-84	378	142	86	30	30	15	16	9	6
	85 and over	111	42	28	13	11	4	...	...	...
	Not stated ... ..	...	...	...	...	...	...	...	...	...
	All Ages	2934	1343	518	227	184	106	80	79	57

* See note (+), Table III.

DEATHS IN EACH TOWN (corrected for Transfers)—December 1931—*continued*.

Intern'l Short List Nos	CAUSES OF DEATH.	Coatbridge.	Dunfermline.	Kirkcaldy.	Hamilton.	Kilmarnock.	Ayr.	Falkirk.	Perth.
1	Typhoid Fever (including Paratyphoid)	...	...	...	...	...	...	...	...
4	Measles	6	...	1	...	...	...	...	...
5	Scarlet Fever	1	...	...	...	...	...	1	...
6	Whooping-cough ... ..	...	...	...	...	...	1	...	...
7	Diphtheria ... ..	...	...	...	...	1	...	...	...
8	Influenza... ..	...	...	3	...	...	...	...	1
14 (1)	Cerebro-spinal Fever ... ..	...	...	...	...	...	...	1	...
14 (2)	Other Epidemic Diseases*	...	...	1	...	...	...	...	...
10	Tuberculosis of Respiratory System ...	4	1	3	3	1	4	...	3
11	Other Tuberculous Diseases ... ..	...	...	...	1	1	2	4	...
14 (3)	Other Infectious and Parasitic Diseases	1	...	...	...	...	...	...	...
15	Cancer, Malignant Disease	4	3	7	4	9	2	6	4
18	Diabetes Mellitus ... ..	...	...	1	...	...	...	...	...
20	Oth. Gen. Diseases, Chronic Poisonings	1	2	1	1	...	2	...	...
22	Cerebral Hæmorrhage, &c.	3	4	6	7	6	2	8	5
23	Oth. Dis. of Nerv. Syst. and Sense Org.	1	...	2	2	1	...	1	4
24	Heart Disease	6	4	8	6	3	4	8	5
25	Other Circulatory Diseases ... ..	...	3	3	1	...	...	...	3
26	Bronchitis	1	2	5	4	2	3	1	3
27	Pneumonia (all forms)	1	1	2	4	3	5	4	5
28	Other Respiratory Diseases ... ..	...	...	1	1	...	1	2	...
32 (1)	Gastric and Duodenal Ulcer	2	3	1	...	...	...	...	...
29	Diarrhœa, &c. (all Ages)	2	...	...	...	...	...	...	...
30	Appendicitis ... ..	...	1	...	1	...	1	...	...
31 (1)	Cirrhosis of Liver ... ..	...	...	...	...	...	...	...	...
31 (2)	Other Diseases of Liver, &c. ... ..	...	...	...	...	...	...	...	...
32 (2)	Other Digestive Diseases ... ..	...	1	...	...	1	1	...	1
33	Acute and Chronic Nephritis ... ..	...	2	1	1	...	...	3	1
34	Oth. Diseases of Genito-Urinary System	1	...	1	...	...	...	...	...
35	Puerperal Sepsis	1	...	3	...	...	...	...	...
36	Other Puerperal Causes ... ..	...	1	...	...	...	...	...	...
37	Dis. of Skin, and of Locomotor System	1	1	...	1	...	...	1	...
38	Congenital Debility, Premature Birth, Malformations, &c.	2	...	5	1	2	1	5	3
39	Old Age	4	1	3	...	2	3	3	2
40	Suicide ... ..	...	1	1	...	...	...	...	...
42	Other Violence	2	1	3	1	...	3	1	...
43	Causes Ill-defined or Unknown ...	...	1	...	2	1	3	...	...
	All Causes ...	44	33	62	41	33	38	49	40
	AGE AT DEATH.								
	Under 1	9	...	5	3	4	5	8	4
	1-4	4	...	3	2	2	1	4	...
	5-9	2	...	1	2	...	...	1	...
	10-14 ... ..	...	...	2	1	...	1	...	...
	15-24	2	2	2	2	1	...	...	1
	25-34	1	2	1	...	...	1	2	3
	35-44	2	4	4	1	1	2	2	2
	45-54	6	7	4	...	1	6	7	4
	55-64	4	3	13	10	12	8	9	8
	65-74	8	8	15	13	5	11	11	8
	75-84	4	4	11	6	7	3	3	6
	85 and over	2	3	1	1	...	...	2	4
	Not stated ... ..	...	...	...	...	...	...	...	...
	All Ages ...	44	33	62	41	33	38	49	40

* See note (†), Table III.

ABSTRACT OF METEOROLOGICAL OBSERVATIONS

Made at GLASGOW, EDINBURGH, DUNDEE, ABERDEEN, PAISLEY, GREENOCK, and PERTH,

During the Month of DECEMBER 1931.

OBSERVERS.	Height of Barometer above Sea-level.	AIR PRESSURE at 9 A.M. and 9 P.M.		AIR TEMPERATURE.						HYGROMETER.				RAIN, AND OTHER FORMS OF PRE- CIPITATION.			WIND DIRECTIONS													
		Mean at Station-level and 32°.	Mean at Sea-Level and 32°.	Mean of	Maximum (A.)	Minimum (B.)	Mean of A and B (Mean Tem- perature).	Difference from Average.	Absolute Maximum and Minimum.				Mean at 9 A.M. and 9 P.M.				Number of Days.	Total Fall.	Difference from Average.	Number of Observations at 9 A.M. and 9 P.M.										
									Maximum.	Day of Month.	Minimum.	Day of Month.	Dry Bulb.	Depression of Wet Bulb.	Vapour Pressure.	Humidity.				N	NE	E	SE	S	SW	W	NW	Calm or Variable.		
GLASGOW, J. R. CURRIE, Professor M.D., The University.	139	29.949	30.104	°	47.5	41.2	°	44.3	+4.8	55	23, 24	29	31 st	44.5	2.2	.246	83	per cent.	17	3.07	-1.08	0	0	6	0	6	20	18	4	8
EDINBURGH, Professor R. A. SAMPSON, F.R.S., Royal Observatory.	441	29.604	30.095	°	46.2	39.2	°	42.7	+3.8	57	24 th	27	31 st	42.4	1.9	.226	83	inch.	10	1.06	-1.08	0	1	0	0	8	11	31	2	9
DUNDEE, A. MACRAE, Curator of Cemeteries.	164	29.869	30.053	°	45.5	37.1	°	41.3	+3.7	56	24 th	28	31 st	41.2	1.6	.223	86	inch.	11	0.92	-1.74	0	1	0	0	0	46	0	15	0
ABERDEEN,* The Meteorological Office.	85	29.896	29.998	°	46.1	37.4	°	41.7	+3.1	61	24 th	25	17 th	42.3	2.2	.223	81	inch.	15	1.39	-1.83	1	0	0	1	11	13	17	8	11
PAISLEY, JOHN WOODROW, The Coats Observatory.	107	29.974	30.094	°	47.1	40.8	°	43.9	+4.0	57	24 th	27	31 st	43.9	1.7	.250	86	inch.	17	4.54	-0.51	0	0	3	1	13	17	14	5	9
GREENOCK,† J. MACALISTER, M.Inst. C.E., Greenock Waterworks.	233	29.852	30.112	°	48.0	41.3	°	44.7	+5.3	57	23, 24	29	31 st	43.9	1.9	.246	85	°	25	7.70	-0.19	0	3	7	0	17	11	17	6	1
PERTH,† J. RITCHIE, The Museum.	22	29.033	30.058	°	47.2	37.4	°	42.3	+4.8	56	23 rd	23	1, 30	42.0	1.6	.230	86	inch.	16	1.26	-1.97	4	0	0	0	3	44	1	10	0
Means	170	29.740	30.073	°	46.8	39.2	°	43.0	+4.2	..	..	..	..	42.9	1.9	.235	84	inch.	16	2.85	-1.20	1	1	2	0	8	23	14	7	6

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 28'; Perth, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46' Perth, 3° 25'; Mean, 3° 36'.

North Latitude.—Glasgow, 55° 52'; Edinburgh, 55° 55'; Dundee, 56° 28'; Aberdeen, 57° 9'; Paisley, 55° 51'; Greenock, 55° 57'; Perth, 56° 23'; Mean, 56° 14'.
West Longitude.—Glasgow, 4° 17'; Edinburgh, 3° 11'; Dundee, 2° 57'; Aberdeen, 2° 7'; Paisley, 4° 27'; Greenock, 4° 46'; Perth, 3° 25'; Mean, 3° 36'.

* At 7 A.M. and 6 P.M.

† At 9 A.M. only.